# THE UNITED STATES CENTS OF THE YEARS 1795 · 1796 · 1797 · 1800

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# PREFACE

The constantly increasing interest in the large copper cents of the United States has prompted this revision of the cents of 1795, 1796, 1797 and 1800. Every published variety has been carefully restudied, some removed as duplications and many new ones added. Descriptions have been corrected and elaborated, and all known varieties illustrated from the best specimens available. The study of the cents of 1796 and 1800 was the most difficult, as really fine specimens of these years are hard to obtain, and in some cases the published descriptions are so inadequate that they were solved only by much comparative study. Hundreds of specimens, in all conditions from poor to uncirculated, have been examined during a period of over twenty years. Frequently a variety had to be laid aside until better material was available and in some cases it was years before a good specimen turned up.

Because of a tendency among some dealers to rate every broken die as a "New Variety" in sales catalogues, we have tried to list all the strongly marked cracks and breaks. A "Variety" is always based on different dies or, in some cases, a new combination of old dies, which has not previously been described.

This volume will complete the revision of all dates from 1793 to 1814 inclusive. The dates of previous works, which are now accepted as standard, are as follows:

1793–Crosby, Sylvester S., 1897.

1794–Hays, W. W. (written by Ed. Frossard), 1893.

1794–Gilbert-Elder, 1910. A reprint of Hays with additional varieties and new plates made from the Gilbert collection.

1794–Chapman, S. Hudson, 1st Edition 1923, 2nd Edition 1926. Additional varieties added and new plates illustrated from the best specimens which he had for study.

1798–1799–Clapp, George H., 1931.

1801, 1802, 1803–Newcomb, Howard R., 1925.

1804 to 1814 are revised in the *Coin Collector's Journal*, Vol. 1, No. 9, December 1934.

We suggest that the introduction to each year be carefully read before beginning the study of the cents of the years in this revision, as it calls attention to certain points that otherwise might be overlooked.

The loan of the collections of the late Messrs. Henry C. Hines, A. C. Gies and of others have been of great assistance in this work, and their cooperation and encouragement is heartily appreciated.

George H. Clapp
Howard R. Newcomb

This manuscript was completed before the lamented death of Howard R. Newcomb, January 7, 1945.

George H. Clapp

*Sewickley, Pa.,*
*June 24, 1947*

# THE UNITED STATES CENTS OF 1795

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THE dies of this year are few in number compared with those of the years preceding and following, and are of the same design as in 1794. They were all engraved by hand and each die varies in detail, as complete hob dies for the obverse and reverse had not then come into use.

Half a century ago the late David Proskey well described our early copper cents in the *Coin Collector's Journal*. Those of 1795 were described in the issue of March, 1880, and revised by him in the issue of October, 1887. Francis W. Doughty republished this work in book form in 1890 as *The Cents of the United States, A Numismatic Study*, but without revision, and it is natural to expect that in the ensuing years new varieties would be found. (Doughty has since been reprinted without correction or revision in spite of the fact that many additional varieties are known. See list of later publications in the Preface.)

In this revision will be found four varieties not previously described, X1 and X2. These so-called "Jefferson Head" cents, however, are believed to be "counterfeits of the time," the plain edge, X2, having been so described by Proskey with the approximate date of manufacture as "somewhere about the year 1803."

The year 1795 presents two interesting changes. First: The change in weight from the old standard of 208 grains, as used in the lettered edge varieties, to the plain edge, thin planchets of the new standard weight of 168 grains beginning with No. 4[a]. President Washington's Proclamation, issued January 26, 1796, had authorized the Mint Officials to make this change on December 27, 1795. (See page 4.) Few working days remained in that calendar year, so it is probable that most, if not all, of the thin planchet varieties, while bearing the date 1795, were actually coined in the calendar year 1796.

The variation in weight is from 194 to 225½ grains for the thick to 164 to 177½ grains for the thin planchets. This variation might change somewhat if a greater number of uncirculated examples were available for weighing. No. 7, with reeded edge, weighs 168 grains.

Second: An experiment was tried on the edge, substituting for the plain edge, thin planchet, a reeded edge such as was used on the smaller silver coins, but never regularly adopted on any of the minor coinage. Only four specimens of the reeded edge are known at this time, one of them having the obverse incused when reverse should be.

Uniform with the previous works of the authors on the cents of 1798–1799

and 1801, 1802 and 1803, each variety is numbered. Obverse dies bear a number and Reverse dies a letter. The so-called "Jefferson Head" cents are separately numbered X1 and X2 to indicate that they do not belong to the regular series issued by the mint.

By George Washington, *President of the United States*—A Proclamation.*

*Whereas*, by an act supplementary to the act, entitled "An act establishing a mint, and regulating the coins of the United States," passed on the third day of March, one thousand seven hundred and ninety-five, "The president of the United States is authorized, whenever he shall think it for the benefit of the United States, to reduce the weight of the copper coin of the United States; provided such reduction shall not, in the whole, exceed two pennyweights in each cent and in like proportion in a half cent; of which he shall give notice by proclamation:"

And, *whereas*, on account of the increased price of copper and expense of coinage, I have thought it would be for the benefit of the United States to reduce the weight of the copper coin of the United States, one pennyweight and sixteen grains, in each cent, and in like proportion in each half cent, and the same has, since the twenty-seventh day of December last been reduced accordingly; I hereby give notice thereof, and that all cents and half cents, coined and to be coined, at the Mint of the United States, from and after the said twenty-seventh day of December, are to weigh, the cents, each, seven pennyweights; and the half cents, each, three pennyweights and twelve grains.

In testimony whereof, I, the said George Washington, president of the United States, have caused the seal of the United States to be hereto affixed, and signed the same with my hand.

[L. S.]

Done, at the city of Philadelphia, on the twenty-sixth day of January, in the year of our Lord, one thousand seven hundred and ninety-six, and of the independence of the United States the twentieth.

*By the President.* GO. WASHINGTON

TIMOTHY PICKERING, *secretary of state.*

* From *Laws of the United States of America* (John Bioren and W. John Duane, Philadelphia, and R. C. Weightman, Washington City, 1815). Vol. V, p. 511.

## KEY TO NEW ARRANGEMENT OF THE CENTS OF 1795

| Obverses | | | Reverses | | | | |
|---|---|---|---|---|---|---|---|
| *No.* | *Obv.* | | *Rev.* | *Leaves and Berries Left* | *Leaves and Berries Right* | *Edge* | *Doughty Equivalent* |
| 1 | 1 | Right top of 5 near bust. Hyphen R T | A | 15-5 | 16-5 | Lettered | Not in D |
| 2 | 2 | Top of 5 embedded in bust | A | 15-5 | 16-5 | Lettered | 68 |
| 3 | 2 | Top of 5 embedded in bust | B | 16-5 | 17-4 | Lettered | 67 |
| 4 | 3 | Right top of 5 united to bust | C | 17-5 | 16-5 | Lettered | 66 |
| 4a | 3 | Right top of 5 united to bust | C | 17-5 | 16-5 | Plain | 66 |
| 5 | 3 | Right top of 5 united to bust | D | 21-4 | 20-6 | Plain | 69 |
| 6 | 4 | Right top of 5 just touches bust | E | 17-4 | 16-3 | Plain | 70 |
| 7 | 5 | Top of 5 distant from bust | F | 14-7 | 18-6 | Reeded | Not in D |
| X1 | X1 | Jefferson Head | XA | 17-9 | 18-4 | Lettered | Not in D |
| X2 | X1 | Jefferson Head | XB | 19-11 | 18-12 | Plain | (Described by D.) |

No. 1. (Not in Doughty)

Thick planchet, edge lettered ONE HUNDRED FOR A DOLLAR.

OBVERSE 1. L distant from cap, LIBERTY widely and evenly spaced, R high; junction point of hair and forehead below left side of upright of T; date widely spaced and well curved, point of 1 high and close to curl, right top of 5 near bust; more space between pole and bust than on any other obverse of the year.

REVERSE A. Fraction very low, close to border, long bar rests on top of 1 and final o, first o low, numerator united to bar; UNI close, ITE more widely spaced, D close to and lower than E; TAT close; AME touch, ER close; ONE CENT high; small center dot between E and N in CENT; right stem shorter than left, points to right foot of A; fifteen leaves and five berries on left, sixteen and five on right branch, a berry near left bow; both branches terminate in single leaves.

So far as we have seen, this variety is always found with a hyphen-like break between R and T, with a fine crack running from it across upright of T, bases of RT connected by another fine crack which ends in a loop on inside of tail of R.

Found with a strong crack which starts at rim above left top of Y, then curves to right above top of Y, turns down past face almost to pole; this break is not a continuous solid line, but is made up of a series of elongated dots; a fine crack from left top of U, through N, base of I, below TE, through bottom of D and slightly beyond; another, very delicate, starts at center of F, passes through A, base of ME, center of R, top of I and to rim over C. This last crack is so delicate that it can be seen only on exceptionally fine examples.

No. 2. (D-68)

Thick planchet, lettered edge.

OBVERSE 2. L close to cap, LIBERTY very widely spaced, base line of LIB below that of ERTY; junction point of hair and forehead below center of T; date widely spaced, 1 distant from point of curl but close to hair, top of 5 embedded in bust; pole just touches bust.

REVERSE A. The cracks are increasing in size, the first described under No. 1 starts at rim below left ribbon, the second now runs to top of O;

a new crack runs through TES and slightly beyond; in later states the cracks are almost continuous around the legend with a new one from above C, through A and fraction almost to U.
Found with crack from rim below space between 9 and 5 which passes through right and out of left top of 9 to the bust. A specimen is known with edge reading ONE HUNDREDR A DOLLAR.

No. 3. (D-67)

Thick planchet, lettered edge.

Obverse 2. Generally found with a crack through top of RTY to rim opposite mouth; another from near left top of cap downward to rim. This die was made from a piece of poor steel; as on this variety many small defects have developed, it is always rough around 795.

Reverse B. Fraction low, near border, bar long; UN close, NITE more widely spaced, D close to and higher than E; AM joined, ME very close; ONE CENT high, a dot below and another above center dot which shows plainly between E and N; left stem points to left bottom of U, right to center of A; sixteen leaves and five berries on left, seventeen and four on right branch which terminates in two leaves; a berry below each bow; a faint scratch in the die downward from right upright of N in UNITED, another, a long line, from point of leaf under T.
This die also was made from poor steel, as the surface is rough in many places and several defects show; those most noticeable are below E in UNITED, first S in STATES and above O in OF.

No. 4. (D-66)

Thick planchet with lettered edge.

Obverse 3. L almost touches cap, LIBERTY very widely spaced; junction point of hair and forehead below right foot of T; date widely spaced, 1 close to hair, distant from curl, right top of 5 united to bust; pole close to bust but does not touch.

Reverse C. Fraction distant from border, bar short, numerator to right of center of first O; N higher than U and I, TE close; AME touch; ONE CENT high; no center dot; left stem points to left side of U, right to right foot of A; seventeen leaves and five berries on left, sixteen and five on right branch, single leaves at top, a berry

on each side of bow; right ribbon, bow and stems detached from knot. This is the first die having a group of three leaves under D.

No. 4ª. (D-66)

Thin planchet with plain edge, as are all subsequent.

OBVERSE 3. Found with a small point on hair just above the cap; a fine crack from rim to left of 1 curves upward, touches tip of second lock of hair, passes close to third and fourth, enters cap near its lower edge and continues on to rim.

REVERSE C. Found with obverse die badly swollen on left and right; reverse die crumbling on inner and outer edges of O and on left top of N in ONE, also on back of C in CENT and a break from right top of final S; a heavy rim break obliterates most of R and all of IC to left diagonal of A.

NOTE: After striking No. 4, and probably most of 4ª, Obverse 3 was for some reason reground as is shown by the disconnected locks of hair back of the shoulder and the weak pole which does not run to the neck. No. 5, Obverse 3, Reverse D, was then struck and after Reverse D failed, Reverse C was again put into use. But Obverse 3 had been weakened by the failure of Reverse D and the crack running up back of the hair to the cap, mentioned under 4ª, developed with the result that Reverse C began to crumble.

No. 5. (D-69)

OBVERSE 3. A small point on hair just above the cap. When coupled with Reverse D this obverse generally has the pole weakly struck, and with a space showing between pole and neck.

REVERSE D. Fraction very compact, high above margin and closer to right ribbon, small defect to left of numerator and dot to left of ribbon; E high and close to D; TAT close; AMER touch, RI very close; ONE CENT in center of wreath, NE very close, C low, EN touch; small center dot; left stem points to left top of U, right well to right of A; twenty-one leaves and four berries on left, twenty and six on right branch; many leaves are very close to the legend, three groups of three leaves each on outside and two groups on inside of left, two groups of three each on both outside and inside of right branch; a leaf touches right foot of T in CENT; a berry on each side of the bow; there is a dot in upper part of first A in AMERICA.

Found with crack from top of C through A and continuing across ribbons through NI to rim; from rim through E in AMERICA; rim over A to E in STATES; rim over S to top of O; rim to right of final A in a curve to first berry on right and leaf under T; from rim through right side of N in UNITED curving up to left terminal leaf; other delicate cracks can be seen on fine examples. In last stage of reverse dies seen obverse die is swollen on left and right sides.

No. 6. (D-70)

Obverse 4. L distant from cap, LIBERTY closely and unevenly spaced, ER almost touch; junction point of hair and forehead below left foot of Y; date evenly spaced, top of 1 very close to hair, tip of 5 just touches bust; pole long and close to bust; a center dot in hair to left of lobe of ear, another smaller dot on neck at edge of hair just below ear.

Reverse E. Fraction halfway between knot and border, bar long, almost touches numerator; N in UNITED frequently very weak and rarely as strong as other letters; TAT close, E high and leans right; AME touch, R high, close to E; ONE CENT in center of wreath, T low; minute center dot; stems long, thin, left points to left side of U, right very close to right foot of A; seventeen leaves and four berries on left, sixteen and three on right branch; a berry beside left bow; the single group of three leaves is below D.
Found with small break under the jaw near the neck; die has crumbled at top of 5 uniting it to the bust.

No. 7. (New)

Thin planchet, edge vertically milled like the edge of our present silver coins.

Obverse 5. LIBERTY more closely spaced than on any other variety known, L rather close to cap, ERT very close, TY united at top, Y close to hair; junction point of hair and forehead below right side of upright of Y; date spaced 1 79 5, point of 1 close to hair, tip of 5 more distant from the bust than on any other variety; pole thin, well separated from the bust.

Reverse F. Fraction bar short, 100 widely and evenly spaced; left stem long, club-shaped, cut square at end with a point running to left, points

to left bottom of U, right short, club-shaped, cut square at end with a point running to right, points to right foot of A; IT close; AMERICA close, C low; ONE CENT high, CENT widely spaced; fourteen leaves and seven berries on left, eighteen and six, and one stem without a berry, on right branch. Below TE in UNITED are four chips out of the die, another to right of E in ONE. Double leaves at top of right branch.
This is Reverse K, C-N No. 5, 1796.

NOTE: At this time only five examples of this variety are known to us.

## THE "JEFFERSON HEAD" CENTS

### No. X1.

Thin planchet measuring 31½ mm. in diameter with edge lettered ONE HUNDRED FOR A DOLLAR. Both Obverse and Reverse have a wide milled border very similar to that first seen on C-N Nos. 15 and 25 of 1796, and adopted for a time in 1797.

OBVERSE X1. LIBERTY evenly and widely spaced with L distant from cap; the letters, with the exception of R and Y, are almost identical with those used on the regular issues; L and E are the same type as used on Crosby 12-L of 1793, on most varieties of 1798, and subsequently; date well spaced and figures similar to those used in 1793; head poorly executed with high cheekbone, prominent forehead, nose and chin pointed, and lips protruding in a pout; hair in back of neck and shoulder in long strings with two more prominent locks below, one ending in a long single point parallel to 1, the other in a long ∽-shaped point extending over 1; cap is somewhat smaller and differs slightly in shape from the regular issues; pole, long, thin, widely separated from bust with end close to margin, does not show between hair and cap.

REVERSE XA. Fraction large with long bar extending beyond 100; ribbon ends short and tapered; letters of legend and ONE CENT well formed and spaced; seventeen leaves and nine berries on left, eighteen and four on right branch (the only example of this variety seen is not struck up at the bow, so there may be a fifth berry opposite the right bow, as what appears to be a stem can be seen), two groups of three leaves, five of two and a single on left, one of three, five of two and five singles on right branch; long slender leaves at top overlap and nearly close the wreath; the bow apparently has three

loops as on Rev. XB. The die is cracked from right upright of N in UNITED through top of I to rim and from top of second T in STATES to upright of E.
Weight 186 grains.

No. X2.

Thick planchet 29 mm. in diameter, plain edge with narrow border milling generally incomplete.

Obverse X1.

Reverse XB. Fraction large, bar short, pointed at both ends; legend widely and evenly spaced with the exception of CA which are close; ONE CENT in center of wreath; stems long, curved, with ends spread into a leaf-shape, left points to bottom of U, right to right base of A; nineteen leaves and eleven berries on left, eighteen and twelve, with two stems without berries, on right; one group of three leaves, seven of two and two singles on left, eight of two and two singles on right branch; the bow is made up of three loops with wreath stems running straight through the two lower; double leaves at top of wreath.

Note: While many of the "Jefferson Heads" appear to have been struck from dies, others look more like castings and it is believed that they were cast in molds made from the struck cents. Another theory is that they were all cast and then tooled, but no evidence of tooling can be seen on the finest specimens known, and the edge of the planchet of the struck specimens shows marks caused by the punch, while on the so-called "cast" specimens the edge has the appearance of a casting. Two unusually fine specimens weigh: struck, 206½ grains, and cast, 193 grains.

The late David Proskey was one of our best-informed students of the large cents of the United States. He was largely responsible for *The Coin Collector's Journal* from its beginning in December 1875 until discontinued December 1888. In the March 1880 issue he wrote a lengthy opinion on the Jefferson Head Cent, and gave his reasons for deciding that it was a counterfeit.

Below is a condensed version of Mr. Proskey's original note, copied from Doughty's *The Cents of the United States*, page 37:

"This so-called 'Jefferson Head' cent was probably so named for the same reason as the Guinea pigs, because they are not pigs and do not come from Guinea. The portrait on the piece does not resemble Jefferson, nor did he have aught to do with the issue, while last, but not least, *it is not a cent*, but undoubtedly a counterfeit of the cent of 1795, struck somewhere about the year 1803. The workmanship and style of every portion of this piece show that the dies were never executed at the United States mint. The hair

alone should be sufficient to condemn it, since no artist employed in the mint from its first establishment would have engraved such a stiff unnatural mass while having for models the beautiful wavy locks which adorn the earlier coins. The figures and letters are totally unlike any used on the cents. The figures of the fraction are the size of those of the cent of 1803. The wreath, with its lobster-claw leaves and three-looped bow, furnishes further evidence of the inexpert tool of an imitator, who had before him different types of cents and engraved the least difficult part of each. The short and narrow serrated border on the reverse is unlike any used in 1795, while the absence of border ornamentation on the obverse, even on the best specimens, would seem to indicate that a worn cent had been copied."

(The cent figured No. X2 has almost complete "border ornamentation" on both obverse and reverse.)

# THE UNITED STATES CENTS OF 1796

# THE UNITED STATES CENTS OF 1796

The planchets used in 1796 were not quite uniform in size, the smallest measuring scant 28½ and the largest slightly over 29 mm. in diameter. Those used for the Liberty Cap Cents appear to be more uniform than the Fillets, as out of over twenty measured only two were 28½ mm. This is also shown by the generally complete margin on the former, while the latter cents without any milling whatever on either the obverse or the reverse are comparatively common; these are generally smaller, 28½ mm., but lack of milling may be due to some fault in striking. A No. A, 30½ mm. in diameter, is the largest seen.

This variation in size is frequently found in the same variety. Among the Fillets we have seen only two varieties, namely Nos. 9 and 15, that are always found with complete milling on both obverse and reverse; they both measure 29 mm. strong. Based on specimens seen, Nos. 14 and 25 are also perfect. Over sixty Fillets have been checked. Uncirculated examples only were measured for diameter.

The arrangement of the groups of three leaves on the reverse, which can readily be noted on the Plate, are good differential characters in identification; also note position of leaves back of C and under T in CENT. For the sake of brevity these points have been omitted from the descriptions, as the first step in identification will naturally be comparison of the specimen with the Key and Plates.

Two hobs were used for the obverse of the Fillets, the first with two strands of hair running from the forelock back over the head, and the second with three strands. The varieties showing two or three strands are listed in the Key. The three-strand hob was undoubtedly the second, as it was used on all varieties of cents from 1797 to 1807 inclusive.

It is rather curious that none of the reverses of the Liberty Caps was used with the Fillets when we find that Rev. F was resurrected to be used in 1797 on C-N 1, 2 and 3, and in 1798 Rev. A on C-N 38, Rev. B on C-N 14 and Rev. C on C-N 13.

It is exceedingly difficult to find really fine examples of many varieties of the cents of 1796, so the cracks and breaks mentioned are only those that can be seen on the average specimens. There is a remarkable similarity in the way some of the obverses failed, as four of the Fillets broke at the rim above TY (Nos. 4, 5, 11 and 17). This is apt to cause wrong identification unless the obverse is carefully studied.

At first it was thought that in this revision the letters and numbers used in

*The Varieties of the United States Cents of 1796* with Supplements, by E. Gilbert and Thomas L. Elder, should be used, but as the study progressed so many duplications were discovered and so many of the described varieties could not be found that it was decided to renumber the whole series, following Gilbert in using letters for the Liberty Caps and numbers for the Fillets, listing the "duplicates" and "unknown" separately, giving the Gilbert letters or numbers so that they can be identified readily.

Owing to the difficulty of getting together a large number of fine specimens of 1796 no attempt has been made to group the same obverses or reverses together, as this must be based on die breaks. It has, therefore, been deemed best to follow Gilbert's order of arrangement as far as possible. This work is based on the careful study of several hundred specimens from private collections and dealers' stocks covering a period of over fifteen years.

Mr. Gilbert left a copy of his book in which he had written that descriptions of his Nos. 16, 17 and 18 were furnished by H. C. Miller and descriptions of Nos. 19, 20 and 21 by Mr. Pfyfer. If descriptions were furnished by others, Mr. Gilbert may not have seen the actual cents described, and so later described the same variety under another number, as in the case of his "Obv. 24," which is the same as his "Obv. 20." Many of his descriptions read like memoranda for his own guidance and not intended for publication, as they do not give sufficient information for accurate identification. This, we believe, accounts for the fact that we have received the same "variety" under two or three different "numbers"; it would fit any or all of the descriptions. There are also many duplications which could have been avoided by careful, comparative study of the series as a whole.

So far as we know, no additional varieties of the Liberty Cap cents have been discovered since the Gilbert-Elder list was published.

Determination of the varieties of this year has been made by process of elimination. Most of the Gilbert varieties have recognizable descriptions of either the obverse or reverse and by identifying one of them the variety can be located. We have seen a number of specimens numbered G-E "19," "27" or "37" by collectors; they were all the same, and fitted all descriptions equally well.

In studying the "Fillet Head" cents from 1796 to 1807 inclusive there are five critical points which should be carefully checked:

1. LIBERTY, the spacing of the letters and if on same arc line.
2. Position of the point of curl below B.
3. Position of highest wave of hair in relation to R.
4. Relation of a line drawn from the forehead, up the forelock to T.
5. Spacing of date and position of 1, and the final figure in relation to the hair and bust.

The reverses, especially in the earliest dates, are so variable that no hard and fast rule can be laid down for them, but with the obverses determined more than half the battle has been won.

Occasionally sale catalogues have advertised 1796 cents with numbers ascribed to Mr. Gilbert which do not appear in his personal copy of the *U. S. Cents of 1796*, now owned by one of us, so we believe that we have given in this revision all of the varieties that he knew and described. "G-41" seems to be a favorite with the cataloguers but all of this number which we have seen were the broken obverse of C-N 11 (G-E 12). Other numbers running as high as "G-60" have been used but so far as we have seen they were always well known varieties. To his second supplement, No. 26 to No. 31 inclusive, Mr. Gilbert added in pencil "No. 32, Obv. 6, Rev. 5" and "No. M, Obv. G, Rev. H." These will be found in our lists of "Duplications and Unknown,"pages 22, 26 and 40.

An interesting question might be raised in connection with C-N 14 and 15; were they struck in 1797? C-N 14 is a variety unknown to Gilbert having the perfect obverse of his No. 15 and a reverse very similar to 1797, C-N 20 (D-101). The great similarity of these two reverses shows that they must have been cut at the same time, as they are the only two of the "Fillet Heads," 1796 to 1807, having a berry instead of a leaf under D of UNITED. The reverse of 1796, C-N 14 has a rim break to the left of the fraction, and 1797, C-N 20 is cracked from the fraction to the right, finally involving much of AMERICA; neither reverse die was used a second time.

1796, C-N 15 has the same reverse as 1797, C-N 12 (D-106). So far as we have seen, the reverse of 1797, C-N 12 always has two denticles above TA in STATES fused together by a break, but 1796, C-N 15 is found both without and with this break, indicating that it was first used with the 1796 obverse, but after this the obverse had cracked.

If fine examples of these four cents are compared the strong similarity will at once become apparent; all are found in uncirculated condition and many have a proof-like surface. The planchets all show the same finish on the rim and the denticles are deep and sharp. They evidently were struck from the same lot of planchets.

Another anomaly is 1796, C-N 34, where a new obverse is combined with reverse of 1797, C-N 27. As this is the last of the 1797 cents, as shown by the change of letters L and R in LIBERTY (see page 45), the question naturally arises as to when it was struck. Only one of this variety is known.

In this connection, there is an interesting account in the *History of the First United States Mint* by Frank H. Stewart, pp. 69-75 of the trouble the Mint had in getting good copper for striking cents. There it is stated that after getting a lot of very poor, rough planchets in October 1796, the Mint received on April 26, 1797, a lot of "9856 pounds of planchets" from Boulton of England, which were exactly what was wanted, "being well executed in every manner." Were these the beautiful planchets used in striking the above 1796 and 1797 cents?

# Key to Varieties
# The Cents of 1796

## Liberty Caps

| No | Obv | Remarks | Rev | Leaves Left | Leaves Right | Berries Left | Berries Right | Remarks |
|---|---|---|---|---|---|---|---|---|
| A | A | L touches cap; top of 1 close to hair; bust and pole touch. | A | 19 | 18 | 5 | 4 | AM joined; ME touch. CENT |
| B | A | | B | 21 | 20 | 5 | 5 | (See B below) AMER touch; leaf almost touches F |
| C | B | L does not touch cap; lips unfinished, "Open-mouth"; top of 1 close to hair. | C | 19 | 18 | 4 | 4 | AME touch. ONE (See C below) |
| D | B | | B | 21 | 20 | 5 | 5 | Three leaves under A |
| E | C | L close to cap; point of bust and pole connected by a break on most examples. | B | | | | | CENT (See B above) |
| F | D | L close to cap; end of pole close to milling | D | 19 | 16 | 5 | 5 | AME joined. CENT |
| G | B | | E | 21 | 20 | 4 | 4 | AME joined. CENT |
| H | E | L touches cap, lower end of pole club shaped, close to milling. | C | 19 | 18 | 4 | 4 | CENT (See C above) |
| I | F | L close to cap; top of 1 close to hair; 6 almost touches bust; end of pole about even with bust. | F | 18 | 17 | 5 | 3 | CENT |
| J | F | | C | 19 | 18 | 4 | 4 | (See C above) |
| K | B | | G | 19 | 19 | 5 | 4 | AME joined. CENT |

## Fillet Heads

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | ER touch at base, 96 close, 6 leans to right. | H | 18 | 17 | 3 | 5 | Single CENT |
| 2 | 2 | Rough spot in field below Knot. | I | 20 | 18 | 5 | 4 | Single AM joined CENT |
| 3 | 3 | TY very close; crack top of Y to rim. | J | 19 | 18 | 4 | 4 | TED; TAT; AME joined |
| 4 | 4 | 6 high | J | | | | | Single CENT |
| 5 | 5 | LI recut on left side of upright; 96 close, connected by a crack. | K | 14 | 18 | 7 | 6 | Right ribbon may be connected or disconnected to bow. |
| 6 | 6 | Date compact. 6 leans left. | K | | | | | Double (See K below) CENT |
| 7 | 7 | IB and ER close; defect between 79 | L | 14 | 17 | 6 | 7 | Two leaves under OF Base of A above M |
| 8 | 8 | H first cut reversed, then recut; so called "B over H"; R almost touches hair. | L | | | | | Double $\frac{1}{100}$ touches CENT |
| 9 | 8 | | M | 16 | 19 | 6 | 5 | Double $\frac{1}{100}$ CENT |
| 10 | 9 | LIBE widely and evenly spaced. | N | 16 | 19 | 6 | 5 | Double CENT |

# Fillet Heads

| No | Obv | Remarks | Rev | Leaves Left | Leaves Right | Berries Left | Berries Right | Remarks |
|---|---|---|---|---|---|---|---|---|
| 11 | 10 | IBE and TY widely spaced | N | 16 | 19 | 6 | 5 | Rev. of Nos 11 and 25 always has crack from rim to top of second T in STATES |
| 12 | 11 | RT widely spaced and above arc of E--Y | O | 16 | 19 | 5 | 5 | Double CENT |
| 13 | 5 | 1 7 9 widely spaced, 96 close | P | 14 | 18 | 7 | 7 | Double Two berries left of bow. CENT |
| 14 | 12 | Tip of 1 nearly touches hair, top of 6 merged in bust. Perfect die. | Q | 16 | 19 | 6 | 6 | Double CENT ED |
| 15 | 12 | Crack from rim through curls and 17. | R | 16 | 19 | 6 | 6 | Double CENT ED |
| 16 | 13 | Tail on lower part of 6, recut. | M | 16 | 19 | 6 | 5 | (See M above) |
| 17 | 14 | Short fine spike from back of 9 | K | 14 | 18 | 7 | 6 | Breaks below TE and opposite E in ONE are small. |
| 18 | 1 | 1 7 9 widely spaced. | S | 16 | 19 | 5 | 4 | Double CENT |
| 19 | 10 | 6 high and leans strongly left. | T | 19 | 18 | 5 | 4 | Single. UN close. AT touch. AME joined. CENT |
| 20 | 15 | R nearly touches hair. Engraver's scratch from lower point of upper hair ribbon. | U | 16 | 19 | 5 | 5 | Double. UN close. TAT, AM touch. RI close. CENT |
| 21 | 16 | LIB widely spaced. E defective. | K | 14 | 18 | 7 | 6 | (See K above) |
| 22 | 15 | 17 closer than other figures. | L | 14 | 17 | 6 | 7 | (See L above) |
| 23 | 17 | IBE widely spaced. ER close. | K | 14 | 18 | 7 | 6 | (See K above) |
| 24 | 18 | Faint diagonal scratch from end of L | K | | | | | |
| 25 | 19 | Imperfect B. Top of 6 over bust. | N | 16 | 19 | 6 | 5 | (See N above) |
| 26 | 2 | Date well spaced. | V | 16 | 19 | 5 | 5 | Double. IT widely spaced. A touches leaf. CENT |
| 27 | 2 | 6 almost touches denticles | W | 19 | 18 | 5 | 4 | Single. CENT |
| 28 | 2 | | X | 19 | 17 | 4 | 5 | Single. CENT |
| 29 | 2 | | Y | 18 | 18 | 4 | 5 | Single. Three leaves under first A CENT |
| 30 | 3 | 1 7 9 widely spaced, 96 close. | Z | 19 | 17 | 4 | 5 | Single. CENT |
| 31 | 2 | | AA | 16 | 19 | 6 | 5 | Double. CENT |
| 32 | 15 | | Z | 19 | 17 | 4 | 5 | |
| 33 | 18 | IBE and TY widely spaced. | P | 14 | 18 | 7 | 7 | (See P above) |
| 34 | 20 | 6 high, just touching drapery | BB | 16 | 19 | 5 | 5 | Double. Stemless Wreath. This is C-N. Rev. S' 27 of 1797 CENT |

Note In "Remarks" on Reverses; when Single is used it means single leaves at top of wreath, and when "Double" is used it means double leaf at top of right branch.

# Helps

## Identifying Reverses with Liberty Cap Obverses

### Leaves and Berries

| | |
|---|---|
| 19 - 18 - 5 - 4 . . . . . Reverses | A |
| 21 - 20 - 5 - 6 . . . . . " | B |
| 19 - 18 - 4 - 4 . . . . . " | C |
| 19 - 16 - 5 - 5 . . . . . " | D |
| 21 - 20 - 4 - 4 . . . . . " | E |
| 18 - 17 - 5 - 3 . . . . . " | F |
| 19 - 19 - 5 - 4 . . . . . " | G |
| Two leaves left of **C** in **CENT** and right of stem | A C D F G |
| Three " . . . . . " . . . . | B E |
| " " under first **A** in **AMERICA** | B |

## Identifying Reverses with Fillet Head Obverses

### Leaves and Berries

| | |
|---|---|
| 18 - 17 - 3 - 5 . . . . . Reverses | H |
| 20 - 18 - 5 - 4 . . . . . " | I |
| 19 - 18 - 4 - 4 . . . . . " | J |
| 14 - 18 - 7 - 6 . . . . . " | K |
| 14 - 17 - 6 - 7 . . . . . " | L |
| 16 - 19 - 6 - 5 . . . . . " | M N AA |
| 14 - 18 - 7 - 7 . . . . . " | P |
| 16 - 19 - 5 - 5 . . . . . " | O U V BB |
| 16 - 19 - 6 - 6 . . . . . " | Q R |
| 16 - 19 - 5 - 4 . . . . . " | S |
| 19 - 18 - 5 - 4 . . . . . " | T W |
| 18 - 18 - 4 - 5 . . . . . " | Y |
| 19 - 17 - 4 - 5 . . . . . " | X Z |
| One leaf left of **C** in **CENT** and right of stem. | K L P |
| Two leaves " " " " " " . . " | H J M N O Q R S T U V W Y AA BB |
| Three " " " " " . . " " " | I Z |
| Two leaves under **O** in **OF** | L |
| Three " " first **A** in **AMERICA** | Y |
| Leaf welded to back of **C** in **CENT** | R |
| **U** distant from left ribbon: **A** close to right ribbon. | Q |

Two hob dies were used on the Fillet Head Type, one having two strands of hair in forelock, the other three strands. Obverses having two strands are 7 8 10 14 15 20. Three strands are 1 2 3 4 5 6 9 11 12 13 16 17 18 19

## NEW ARRANGEMENT OF THE CENTS OF 1796

| *C-N No.* | *Obv.* | *Rev.* | *G-E Equivalent* | *C-N No.* | *Obv.* | *Rev.* | *G-E Equivalent* |
|---|---|---|---|---|---|---|---|
| | Liberty Cap | | | | Fillet | | |
| A | A | A | A | 13 | 5 | P | 14 |
| B | A | B | B | 14 | 12 | Q | Obv. 15 Rev. New |
| C | B | C | C | 15 | 12 | R | 15 |
| D | B | B | D | 16 | 13 | M | 16 |
| E | C | B | E | 17 | 14 | K | 17 |
| F | D | D | F | 18 | 1 | S | 18 |
| G | B | E | G | 19 | 10 | T | 19 |
| H | E | C | H | 20 | 15 | U | 20 |
| I | F | F | I | 21 | 16 | K | 23 |
| J | F | C | K | 22 | 15 | L | 24 |
| K | B | G | L | 23 | 17 | K | 25 |
| | Fillet | | | 24 | 18 | K | 29 |
| 1 | 1 | H | 1 | 25 | 19 | N | 30 |
| 2 | 2 | I | 2 | 26 | 2 | V | 33 |
| 3 | 3 | J | 3 | 27 | 2 | W | 34 |
| 4 | 4 | J | 4 | 28 | 2 | X | 35 |
| 5 | 5 | K | 5 | 29 | 2 | Y | 36 |
| 6 | 6 | K | 6 | 30 | 3 | Z | 38 |
| 7 | 7 | L | 7 | 31 | 2 | AA | Obv. 2 Rev. New |
| 8 | 8 | L | 9 | 32 | 15 | Z | Obv. 20 Rev. 38 |
| 9 | 8 | M | 10 | 33 | 18 | P | Obv. 29 Rev. 14 |
| 10 | 9 | N | 11 | 34 | 20 | BB | Obv. New, Rev. S, 1797 |
| 11 | 10 | N | 12 | | | | |
| 12 | 11 | O | 13 | | | | |

THE FOLLOWING G-E VARIETIES ARE EITHER DUPLICATIONS OR UNKNOWN
(See pages 26 and 40–41 for further details.)

| *No.* | *Obv.* | *Rev.* | *Remarks* |
|---|---|---|---|
| J | G | B | Obv. "G" same as "C." This is D. |
| M | G | H | Rev. "H" same as "C." This is C. |
| N | N | B | Do not know. |
| 8 | 8 | 7 | Do not know. |
| 21 | 14 | 5 | Obv. "14" same as "5." This is 5. |
| 22 | 2 | 22 | Do not know. May be same as 35. |
| 26 | 16 | 11 | Do not know. |
| 27 | 12 | 27 | Do not know. May be same as 19. |
| 28 | 28 | 6 | Do not know. May be perfect die G-E 17. |
| 31 | 7 | 5 | Do not know. |
| 32 | 6 | 5 | Rev. "6" same as "5." This is 6. |
| 37 | 37 | 37 | Do not know. May be same as 19 and 27. |
| 39 | 39 | 5 | Do not know. |
| 40 | 5 | 6 | Rev. "6" same as "5." This is 5. |

## LIBERTY CAP CENTS

### No. A. (G-E No. A)

OBVERSE A. L touches cap, LIB rather close, BER more distant, RT close; junction point of hair and forehead below center of space between T and Y; 17 widely separated, 796 evenly spaced, 1 distant from curl, top nearly touches hair, top of 6 close to bust; five heavy locks to hair; pole heavy between hair and cap, pole touches bust for over half its length, end thick.

REVERSE A. Fraction bar long, 100 close with first 0 recut at bottom; stems thin, long, left points to left bottom of U, right to right point of foot of A; a scratch in die to right of N in UNITED; AME connected, ER very close, left top of M recut; ONE too far to left

with O almost directly over C; nineteen leaves and five berries on left, eighteen and four on right branch.
Found with die failing through cap; crack from nose to rim; additional curved crack from rim past Y to nose. All reverses in this group have single leaves at top of wreath.
(Check groups of leaves by the Plate, see Introduction.)

No. B. (G-E No. B)

Obverse A.

Reverse B. Fraction bar long, fraction compact; stems thin, long, left points to left side of U, right to right of A; a scratch runs up right side of right ribbon and appears as a point on right stem; ED close; first S very low; AMER connected, A tilted to left and foot overlaps foot of M; a scratch, or crack, runs across right foot of E to R; NE in ONE connected at top; right top of N in CENT overlaps left top of T; twenty-one leaves and five berries on left, twenty and five on right branch. So far as seen there is always a break from right foot of E to upright of R in AMERICA.

No. C. (G-E No. C)

Obverse B. L close to cap, LIBE widely spaced; junction point of hair and forehead below right side of upright of T; 179 widely and evenly spaced, 96 closer, 1 distant from point of curl, close to hair, 6 halfway between bust and margin; pole heavy between hair and cap, end of pole thin and distant from bust; lower locks of hair end in heavy points, upper lock in three parallel strands. The head of Liberty on this die was unfinished, the eye has a deep-set appearance, the nasal septum is omitted and the nose ends in a pronounced hook; the lips are not formed, so the mouth is open.

Reverse C. Fraction bar long, fraction compact with 100 too far to left; stems thin, long, left points to left top of U, right to right of A; AME connected, ERI close; NE close with E low; CE widely spaced, ENT almost touch; nineteen leaves and four berries on left, eighteen and four on right branch. Same as Rev. J, 1798. Found with hair-line crack through 7 to bust and die swollen under 96; with 7 crack continued through bust and pole to rim, and die scaling in front of mouth and neck.

Note: In *United States Cents of 1796* Gilbert says that "slight differ-

ences can be detected" between Obverses C and G, but a careful study of his plate and the cents themselves will indicate that, if he did discover any differences, they were due to wear. His plate would indicate that his G was much better than his C. The incomplete nose and lips, mentioned above, are absolutely identical on both varieties, and this eliminates Gilbert's Nos. J and M, which are the same as Nos. D and C respectively. All uncirculated or extremely fine examples of C, D, G and K show a small chip out of the die in line with and 2 mm. from point of third lock of hair from the bottom; this defect is so slight that it cannot be seen on worn or battered cents.

### No. D. (G-E No. D)

Obverse B. Perfect.

Reverse B.

Found with crack through top of OF.

### No. E. (G-E No. E)

Obverse C. L very close to cap, LIBER widely spaced, RT close; junction point of hair and forehead below center of space between T and Y; 17 widely spaced, 79 closer, 96 close, point of 1 closer to point of curl than on any preceding die, 6 high and much closer to bust than to margin; pole heavy between hair and cap, end of pole lighter, well separated from bust and terminating opposite its point.

Reverse B. Found with heavy cracks from rim to left of B, along top of RTY to rim; die scaling across lower edge of cap, and heavily in front of mouth; end of pole and point of bust connected by a break in die.

### No. F. (G-E No. F)

Obverse D. L very close to cap, IB and ERTY closer than LI and BE; junction point of hair and forehead below center of space between T and Y; date widely and evenly spaced, closer to bust than to margin, point of 1 equidistant hair and point of curl; pole of uniform size at cap and bust, end close to milling.

Reverse D. Fraction bar long, left end passing top of 1, numerator very close to bar; oo touch; stems long, left points to left side of U, right to right of A; UNITED irregular in spacing with N high; AME connected, RI very close; CENT irregular with N high, over-

lapping top of E and very close to T; nineteen leaves and five berries on left, sixteen and five on right branch.
Found with break back of lower locks and on bulb of 6; with die failing in front of nose and neck; break at 6 extends almost to rim; crack through final S; crack from right top of I in AMERICA to rim; in this last stage the obverse die is badly rusted along the face from eye to mouth.

### No. G. (G-E No. G)

Obverse B. Always perfect so far as seen.

Reverse E. Fraction bar long, left end passes top of 1, 100 close; stems long, left club-shaped, points to left top of U, right to right of A; UN very close; TA almost touch; AME connected, ER very close; a chip out of die below center of N in ONE; CENT well spaced, T leans right; twenty-one leaves and four berries on left, twenty and four on right branch, lowest leaf on right touches A; five groups of three leaves on left, four on right.

### No. H. (G-E No. H)

Obverse E. L touches cap, LIBERTY widely and slightly irregularly spaced; junction point of hair and forehead a little to right of center of space between T and Y; date widely spaced with 6 a little closer to 9, top of 1 close to hair; pole short and heavy between hair and cap, lower end club-shaped, distant from bust, end close to milling.

Reverse C.
Found with crack down right side of 7 from bust to rim.

### No. I. (G-E No. I)

Obverse F. L close to cap, LI close, E high, leans right; junction point of hair and forehead below right foot of T; date high, top of 1 close to hair, 6 touches bust; pole straight, end about even with point of bust.

Reverse F. Fraction bar long, 100 too far to left, evenly spaced; stems long and thin, left points to left side of U, right to right foot of A; UN very close, NITE widely spaced, ED close with D low; TAT close; AMER very close; a short vertical crack above right top of N in ONE; eighteen leaves and five berries on left, seventeen and

three on right branch. This reverse is frequently found upset. Same as 1797, Rev. A. (C-N Nos. 1, 2 and 3.)

No. J. (G-E No. K)

OBVERSE F.

REVERSE C.

No. K. (G-E No. L)

OBVERSE B. Generally perfect, but found with die crumbling at nose and lips.

REVERSE G. Fraction bar long, 100 closely spaced; stems short, left points to left top of U, right well to right of foot of A; legend irregularly spaced and more crowded than on any other reverse of this year; AME connected, ER close, RI almost touch; NE in ONE and EN in CENT touch, T defective; nineteen leaves and five berries on left, nineteen and four on right branch; two defective leaves on left and seven on right; bows of ribbon defective, the wreath appears to be unfinished. Gilbert says: "right branch 18 leaves, 4 berries," but there are 19, as he overlooked one of the unfinished leaves.

## DUPLICATIONS AND UNKNOWN

G-E No. J.

"OBVERSE G. REVERSE B."

This is D.

(See also page 24.)

G-E No. M.

"OBVERSE G. Reverse H. (Granberg owner)," written by E. Gilbert in his personal copy of *The United States Cents of 1796*. Plate II of Gilbert-Elder shows that Reverses C, H and K are the same. In the catalogue of the *Collection of a Prominent American* (Granberg), sold by The U. S. Coin Company, May 19, 20, 21, 1915, Lot No. 176 is: "1796 Liberty Cap, Gilbert M," but without description. The figures on Plate III of the catalogue show that it is C.

G-E No. N.

"OBVERSE New. Reverse E."

Known only by description. It has "Rev. E," which is B, and com-

parison of pole with "H" fits Obvs. B or E, so it may be either. Have seen two rather poor specimens labeled "G-N" by their owners, but both were B.

## "NEW VARIETY"

"Obverse G. Reverse New" (reverse described). Earle Catalogue 3398. As Obverse "G" is the same as "C" (obverse shown on Pl. XXXV is C), and description of the reverse agrees perfectly with reverse of C, this must be C.

## FILLET HEAD CENTS

### No. 1. (G-E No. 1)

Obverse 1. LIBERTY well spaced with exception of ER, which touch at bottom; point of curl below inner curve of B; highest wave of hair slightly right of center of R; junction point of hair and forehead below center of space between T and Y; date straight, 179 widely separated, 96 close, point of 1 equidistant hair and curl, 6 leans to right. Found with double profile.

Reverse H. Fraction bar long, 100 widely spaced; stems short and heavy, left points to left side of U, right to right foot of A; TAT very close; AME connected, ERI close; ONE CENT widely separated with CENT close to bow, C distant from E and low, ENT close; eighteen leaves and three berries on left, the upper one without a stem, seventeen and five on right branch; single leaves at top of wreath. Found with crack along base of RTY almost to rim, down the field, from mouth to rim, at 96, heavy rim break at end of right ribbon.

### No. 2. (G-E No. 2)

Obverse 2. L leans left and is slightly high, LIB well spaced, ERT slightly closer; point of curl to right of curve of B; highest wave of hair below center of R; junction point of hair and forehead below right foot of T; date well spaced with 1 slightly more distant from 7 than 7 from 9, point of 1 equidistant hair and curl, 6 almost touches denticles; between 7 and 9 is a hyphen-like break. On all examples seen of Obv. 2 there is a rough spot on the die below the knot, as if the die had rusted at this point.

REVERSE I. Fraction bar long, 00 closer than 10; left stem long and straight, right short, club-shaped, left very close to center of bottom of U, right points to extreme right foot of A; UN close, NITE widely spaced, ED close with D low; STATES well spaced with exception of AT which are close; AM touch, MERI well spaced, IC wide apart, CA close; ONE CENT well centered and spaced; twenty leaves and five berries on left, eighteen and four on right branch. Single leaves at top of wreath.
Found with crack over RICA to rim which gradually increases in size until, in the later stages, the tops of ER and CA are connected to the rim by heavy breaks, and additional heavy cracks show across ribbons and fraction, the obverse die is weak over ER and has begun to fail, there is a light crack through date. Obverse 2 was used with six reverses.

No. 3. (G-E No. 3)

OBVERSE 3. LIBERTY well spaced except TY which are very close, B leans to right, Y large and heavy, base line of ERT above B and Y; point of curl below center of space between B and E; highest wave of hair almost under tail of R; junction point of hair and forehead below center of space between T and Y; 179 widely spaced, 96 close, point of 1 close and equidistant hair and curl. On all examples seen there is a break from right top of Y to rim.

REVERSE J. Fraction bar long, 00 closer than 10; stems long and club-shaped, left points to left top of U and is almost disconnected from ribbon, right to extreme right foot of A; UN and ED close, TE connected at top by break in die, other letters well spaced; TAT connected, TE close; AME connected, ERI close; ONE CENT well centered and compact, NT very close; nineteen leaves and four berries on left, eighteen and four on right branch; several leaves defective. Single leaves at top of wreath.
Found with faint crack diagonally through top of first A in AMERICA.

No. 4. (G-E No. 4)

OBVERSE 4. LIBERTY well spaced with ER slightly closer; point of curl below right side of B; highest wave of hair below center of R; junction point of hair and forehead below center of space between T and Y; date very evenly spaced with 96 slightly closer than other figures, 1 low, point closer to hair than to curl, 6 high.

REVERSE J. Either perfect die or break at TE very faint.
Found with rim break along margin in front of face; with crack along top of BER to T; heavy rim break over TY.

No. 5. (G-E No. 5)

OBVERSE 5. LIBERTY rather closely and evenly spaced, L and I recut on left side, R leans right, T a little high; point of curl below center of right side of B; highest wave of hair below center of R; junction point of hair and forehead below center of space between T and Y; date straight on top, 179 widely and evenly spaced, 96 close, connected by a crack, point of 1 close to hair, distant from curl, 6 leans right.

REVERSE K. This reverse is found in two states; the first, called by Mr. Gilbert "Rev. 6," with right ribbon connected to knot; the second, "Rev. 5," has the right ribbon disconnected. Since "Rev. 6" is the earlier state of the die, as will be shown later, it will be described here. Fraction bar short, 100 widely, evenly spaced; left stem long, club-shaped, cut square at end with a point running to left, points to left bottom of U, right short, club-shaped, cut square at end with a point running to right, points to right foot of A; IT close; AMERICA close, C low; ONE CENT high, CENT widely spaced; fourteen leaves and seven berries on left, eighteen and six and one stem without a berry on right branch. Below TE in UNITED are four chips out of the die, another to right of E in ONE. Double leaves at top of right branch. (Unless otherwise stated all subsequent reverses have two leaves at top of right branch.) Found with crack through top of IBERTY and crack through lower curl and date; with crack from forelock through T and heavy rim break over TY, cracks down past face to rim, throat to rim, and small chips out of die along throat.
This reverse die was apparently reground to remove roughness caused by chipping of the die under TE and to right of top of E in ONE, and suction marks that show on the most perfect state seen. Regrinding made the wreath stems weaker and disconnected the right ribbon from the knot, but did not remove the breaks as they became heavier, the one under TE ultimately uniting with base of E. This is "Rev. 5" of Gilbert. In the last state of this die the lump under E became very large and the break to right of E in ONE more than doubled in size, uniting with the right top; a series of scratches run from left ribbon to numerator. We have never seen

Rev. 6 of Gilbert except on Nos. 17 and 22, and on No. 21, where both "5" and "6" are found. In spite of all vicissitudes this tough die served with seven different obverses, one in 1795 and six in 1796. This is the same reverse as 1795, C-N No. 7, the "Reeded edge" cent, which is an early stage with the breaks small.

No. 6. (G-E No. 6)

Obverse 6. LIBERTY closely and evenly spaced; point of curl slightly right of center of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right foot of T; date compact, evenly spaced, point of 1 closer to hair than to curl, 6 leans to left.

Reverse K. Gilbert says of "Rev. 6," "same as No. 5 but ribbon connected at bow." We have seen many No. 6 and all had the ribbon either partly or completely disconnected, "Rev. 5."
Found with crack through top of 1796; rim to top of B and through T to forelock.

No. 7. (G-E No. 7)

Obverse 7. LIBERTY unevenly spaced, IB and ER being closer than other letters; point of curl below right side of curve of B; highest wave of hair below center of R; junction point of hair and forehead below center of space between T and Y; date widely and evenly spaced, 1 close to hair and curl, 6 a little high; a small defect above space between 7 and 9.

Reverse L. Fraction bar short with numerator united to it, oo close with first o low; left stem long, points to bottom of U, right short and club-shaped, points to center of right foot of A; UNITED irregularly placed and spaced; ST high and lean left, TATE close; A leans left and foot overlaps foot of M, MER close; ONE CENT high; center dot opposite center of left upright of N in CENT; fourteen leaves and six berries on left, seventeen and seven on right branch. This is the only reverse with but two leaves under O in OF.
Found with crack diagonally through BE to hair; crack along top of AMERI.

No. 8. (G-E No. 9)

Obverse 8. LIBERTY well spaced, B was first struck reversed so that it looks

as if cut over an H giving this the name of "LIHERTY variety," ER very close to hair, R almost touches; point of curl to right of center of B; highest wave of hair below upright of R; junction point of hair and forehead below right side of upright of T; date widely and evenly spaced, point of 1 close to hair and curl, 6 high, leans left.

Reverse L.

No. 9. (G-E No. 10)

Obverse 8. In this variety the obverse is sometimes found badly rusted with a heavy break across the drapery near point of bust.

Reverse M. Fraction bar starts over first 0 and runs to right ribbon, 100 widely spaced with 1 under left ribbon; stems short and heavy, left points to center of bottom of U, right to left foot of A; STATES widely spaced; AME and CA close, A almost touches right ribbon; ONE high, CENT low; sixteen leaves and six berries on left, nineteen and five on right branch.
With rusted obverse die, the reverse is also rusted. A crack runs from rim to top of second T in STATES; another from rim through O in OF, to wreath and to top of E in ONE; another from rim above A to top of M; there are other minor cracks.

No. 10. (G-E No. 11)

Obverse 9. L slightly high, leans left, LIBE widely and evenly spaced, ERT closer; point of curl below center of space between B and E; highest wave of hair below center of R; junction point of hair and forehead below right foot of T; 17 widely separated, 796 closer, point of 1 equidistant hair and curl.

Reverse N. Fraction bar short, covers whole of first 0 and half of second, 100 widely, evenly spaced, too far to left; stems short, left points to left bottom of U, right to left foot of A; UNIT rather close; AMERICA well spaced, A very close to right ribbon; sixteen leaves and six berries on left, nineteen and five on right branch, second berry on left high and on a very thin stem, on worn specimens appears to be detached; light scratches on inside of upper part of both ribbons, bows unfinished. Gilbert says: "There is a die break extending from the border through U and wreath nearly to F in OF." Mr. Clapp has a No. 10 which agrees with this description perfectly but the "die break" is a cut made with a knife.

This cent was in the Dr. G. F. E. Wilharm sale No. 1363, where it was described as having: "Rev. die break extending from U diagonally upward just beyond the wreath under F." We have never seen Rev. N with the slightest trace of such a crack either in 1796 or 1797, C-N No. 25.
Found with crack through curl and 179 and break from top of 6 to bust, in late states of this crack the lower part of 7 may be completely gone; TAT is incused under 1796.

No. 11. (G-E No. 12)

Obverse 10. LIBERTY unevenly spaced, RT above the base line of LIBE, Y widely separated from T; point of curl below right side of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right foot of T; 17 more distant than 796, point of 1 equidistant hair and curl, 6 high and leans strongly to left.

Reverse N. When coupled with obverses of Nos. 11 and 25 always shows an injury to the die from rim through left side of A in STATES, a heavy crack from rim to right top of second T and two scratches from rim through C in AMERICA, another between C and A.
Found with heavy suction marks at chin; curved crack from rim through date to rim; crack over BERTY; rim break TY. These broken dies have been described in auction sale catalogues as "G-41," or "Not in Gilbert."

No. 12. (G-E No. 13)

Obverse 11. LIBERTY unevenly spaced, R high; point of curl below center of curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right foot of T; date straight on top, point of 1 closer to hair than to curl, 96 slightly closer than other figures.

Reverse O. Fraction bar short, 1 of 100 close to left ribbon, 00 closer than 10; stems heavy, left points to left bottom of U, right which is short, to left foot of A; STATES unevenly spaced, ST close, final S low; AMERI close, break on top of E connecting to rim, CA close, A close to ribbon; sixteen leaves and five berries on left, nineteen and five on right branch.
It may not be constant, but on all examples seen UNITED is weak, this shows on Gilbert's plate.

Found with crack along top of RTY; from rim down right side of D.

No. 13. (G-E No. 14)

Obverse 5. G-E "Obverse 14" is the same as 5.

Reverse P. Fraction bar long, 00 closer than 10, final 0 slightly high; stems short, left points to left side of U, right to right foot of A; UN close; A in STATES high; E in AMERICA a little high, an injury to the die through R; CENT irregular, C lowest and T highest; fourteen leaves and seven berries on left, eighteen and seven on right branch, two berries are under left bow; three berries on right stem below R close together.

No. 14. (Obv. G-E 15 perfect die, Rev. New)

Obverse 12. LIBE closer than ERTY, left top of B defective, ER close to hair; point of curl, which is very weak, below center of B; highest wave of hair below space between E and R; junction point of hair and forehead below left foot of T; date curved, 17 slightly closer than 796, point of 1 touches hair, 6 high, leans left and top is embedded in drapery.

Reverse Q. Fraction bar long, 100 widely spaced with 00 slightly closer than 10; stems heavy, very short, left is cut over the ribbon, points to left top of U, right to right foot of A; legend very evenly spaced; U distant from ribbon; first A in AMERICA leans to left with right foot higher than foot of M, final A very close to ribbon; diagonal of N in ONE and in CENT ends in a long point projecting below other letters, leaf cuts off right foot of T; sixteen leaves and six berries on left, the 6th touches leaf below, nineteen and six on right branch, tip of leaf below I recut; space between terminal leaves below upright of E; all berries have long stems; *two leaves under* E *in* UNITED, *and a berry under upright of* D.
These last two are the distinguishing characters of this reverse. While this has the same number of leaves and berries as the regular reverse of No. 15 (see Rev. R), the characters mentioned will at once distinguish it. (See p. 17.)
Found with rim break under left ribbon and 1 in 100.

No. 15. (G-E No. 15)

Obverse 12. In this combination there is a crack running from rim back of the

curls, along the lower curl, through bottom of 17 to rim; another starts at rim under 6, runs diagonally across point of bust and a short distance into the field.

Reverse R. Fraction bar short, numerator too far to left, 100 widely spaced, 10 closer than 00, final 0 high; stems heavy, very distant where they cross the knot, left points to left bottom of U, right to center of right foot of A; ST close; above TA are two denticles connected by a break; sixteen leaves and six berries on left, nineteen and six on right branch; point of leaf below inner curve of D; point of lowest leaf on right below extreme left foot of A; a faint crack from pendant of F runs about halfway to center of A; another from right top of N in ONE touches foot of E and left top of T in CENT. This is the same as Rev. D, 1797.
Found with rim break over AT.

No. 16. (G-E No. 16)

Obverse 13. LIBERTY widely and evenly spaced; point of curl below inner curve of B; highest wave of hair below upright of R; junction point of hair and forehead below right side of upright of T; 179 widely spaced, 6 closer to 9, point of 1 close to hair, distant from curl, 6 recut on lower left showing most of the loop.

Reverse M.

No. 17. (G-E No. 17)

Obverse 14. LIBERTY well spaced except ER, which are close; point of curl below center of curve of B; highest wave of hair below center of R; junction point of hair and forehead below right foot of T; date almost evenly spaced, straight, point of 1 closer to curl than to hair; on lower part of back of 9 there is a short, diagonal "spike," pointing to 6; in R there is a faint cut, or crack, in the upper part, which shows as a small point on the top; these defects can be seen only on fine examples. Denticles on obverse are very crudely cut.

Reverse K. An early state of the die, as breaks below TE and opposite E in ONE are small; connection of right ribbon to knot very strong. Found with heavy rim break from left top of Y extending 8 mm. to the right. (The broken die was described by Gilbert from description written by H. C. Miller, and Gilbert may never have seen it. We have compared Miller's cent with the perfect die de-

scribed above and they are the same. If Gilbert's description is changed to read: "The die is badly broken over Y and along milling to right," instead of "along milling to 'R,' " it will be correct.)

No. 18. (G-E No. 18)

OBVERSE 1.

REVERSE S. Fraction too far to right, bar long, 100 closely spaced; stems short, heavy, left points to left bottom of U, right to center of A; UNITED unevenly spaced, E high; STATE close, S distant; AM almost touch, ICA widely spaced; ONE too far to left, letters almost touch; letters in CENT crowded, left top of N overlaps E; sixteen leaves and five berries on left, nineteen and four on right branch.

No. 19. (G-E No. 19)

OBVERSE 10. Perfect.

REVERSE T. Fraction bar long, nearly touches left ribbon, 100 closely spaced, 00 almost touch; stems long, left points to left side of U, right past right foot of A; UN almost touch; first S distant from T, TAT almost touch; AME touch, ER close; ONE close; CEN almost touch; nineteen leaves and five berries on left, eighteen and four on right branch, a berry opposite right bow. Single leaves at top of wreath.
(No. 19 comes in group of Nos. 1, 2, 3 and 4 with single leaves at top. It may be same as Nos. 27 and 37 of Gilbert.)

No. 20. (G-E No. 20)

OBVERSE 15. LIBERTY widely and evenly spaced, ER close to hair, R almost touches; point of curl below inner curve of B; highest wave of hair below left foot of R; junction point of hair and forehead below center of T; date compact, 17 closer than other figures, point of 1 very close to hair, 6 leans to left; a long engraver's scratch from lower point of upper hair ribbon into the field.

REVERSE U. Fraction bar long, fraction low and nearer right ribbon, 100 compact; stems short, heavy, right disconnected from knot, left points to bottom of U, right to right foot of A; UN close with N and E high; TAT touch; AM touch, R low, RI close; CENT low, ENT

very close; sixteen leaves and five berries on left, nineteen and five on right branch, two dots above top of leaf back of C.
Found with a very heavy crack from rim above A in STATES along top of TES OF to rim; from the top of E to end of crack a piece seems to have fallen out of the die from the crack to the rim leaving a concave depression.

No. 21. (G-E No. 23)

Obverse 16. LIB widely and evenly spaced, BERT much closer, T high; point of curl below inner curve of B; highest wave of hair below center of R; junction point of hair and forehead midway between T and Y; date widely and evenly spaced, point of 1 closer to hair than to curl.

Reverse K. Some examples have "Rev. 5," as described by Gilbert, others have his "Rev. 6."
Found with cracks top of LIBERTY; from rim through hair; date and point of bust into field; nose down to rim opposite bust; from back of drapery through hair; obverse die rusted.

No. 22. (G-E No. 24)

Obverse 15. "Obverse 24" of Gilbert, same as his "20."

Reverse L.

No. 23. (G-E No. 25)

Obverse 17. IB widely spaced, ER close, B tilted right, R high and tilted right; point of curl below inner curve of B; highest wave of hair below center of R; junction point of hair and forehead below right foot of T; 17 and 96 slightly closer than 79, point of 1 equidistant hair and curl and points directly into the angle formed by them.

Reverse K. Gilbert says: "Obverse of 8 with Reverse of 5." The examples we have seen have "Rev. 6."
Found with cracks through T to forehead and down nose to rim opposite point of bust; rim to left of L, across head to rim; rim past 7 up through neck and face; 1 to 7.

No. 24. (G-E No. 29)

Obverse 18. Diagonal scratch from bottom of L touches I (this can be seen only

on fine specimens); IBE and TY widely separated, BE high; point of curl below center of curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right foot of T; 179 widely spaced, 96 close, point of 1 closer to hair than to curl, 6 leans right.

Reverse K. Found with cracks: rim past I to hair; chin to rim; point of bust to rim; 96 to bust; chip out of die opposite neck.

No. 25. (G-E No. 30)

Obverse 19. LIBERTY evenly spaced, left top of B missing, R very close to hair; point of curl left of center of B; highest wave of hair below left foot of R; junction point of hair and forehead below center of T; date evenly spaced, point of 1 close to hair, distant from curl, 6 high with top embedded in drapery.

Reverse N. With break over second T in STATES and scratches as mentioned under No. 11, additional scratches at C.
Found with long rim break to left of L, and crack from rim along TY to rim; rim break touching top TY.

No. 26. (G-E No. 33)

Obverse 2.

Reverse V. Fraction bar long, fraction very low, 100 compact; stems short, club-shaped, left points to left bottom of U, right to right foot of A; UN close, IT widely separated; TAT touch, final S high, leans right; AME connected, ER close, IC widely separated; CEN very close; sixteen leaves and five berries on left, nineteen and five on right branch; lowest leaf on right touches left foot of A.

No. 27. (G-E No. 34)

Obverse 2.

Reverse W. Fraction bar long, thin, fraction high, 100 compact; stems short, heavy, pointed, left points to left bottom of U, right to right foot of A; UN very close, NIT widely spaced, D high; TAT close, AT high, final S high, leans right; AME very close; CENT well spaced; nineteen leaves and five berries on left, eighteen and four

on right branch; single terminal leaves, left slightly higher than right; three leaves under T, center one runs to top of T.
Found with die failing at ER and crack through date; heavy suction at face and neck and below knot.

No. 28. (G-E No. 35)

OBVERSE 2.

REVERSE X. Fraction closely and evenly spaced; stems long and club-shaped, left points to left side of U, right to slightly past right foot of A; NIT widely separated, D lower than E; TAT united; AME united, CA close; NE in ONE connected; nineteen leaves and four berries on left, seventeen and five on right branch, a berry on each side of the bow; lowest leaf of group of three on right very close to right foot of A, found on no other reverse of the "Fillet Heads."

No. 29. (G-E No. 36)

OBVERSE 2.

REVERSE Y. Fraction bar long, 00 slightly closer than 10; stems short, club-shaped, left points to left side of U, right to right of A; UN close, NIT widely spaced; first S low, TAT connected; AMER touch, RI and CA very close; ONE CENT well centered and spaced; eighteen leaves and four berries on left, eighteen and five on right branch; a group of three leaves under first A in AMERICA is the distinguishing feature of this reverse. Single leaves at top.
Found with heavy break from rim down left side of T in UNITED, across CENT and right side of M to rim.

No. 30. (G-E No. 38)

OBVERSE 3. This has Obv. 3, not "a close copy of No. 2," as stated by Gilbert. Die breaking down at throat.

REVERSE Z. Fraction bar long, 100 compact, final 0 high; stems long, left points to left bottom of U, right to right foot of A; ED close; first S low, TATE close; AME united, ERI very close; EN in CENT almost touch; nineteen leaves and four berries on left, seventeen and five on right branch; single terminal leaves, left slightly higher than right.

Found with heavy crack from rim back of shoulder through hair ribbon and B to rim.

No. 31. (New Variety. Obv. G-E 2, Rev. New.)

Obverse 2.

Reverse AA. Fraction bar short, 100 evenly spaced; stems short, left club-shaped, right straight, left points to center of bottom of U, right to center of A; UN and ED close; TAT close; AM close, other letters well spaced; CENT low, EN close and NT touch; sixteen leaves and six berries on left, nineteen and five on right branch; first berry on left a mere lump on wreath stem; three leaves under F; a pair of leaves directly under first A in AMERICA; double leaves at top of right branch. Collection Geo. H. Clapp.

No. 32. (New Variety. Obv. G-E 20, Rev. G-E 38.)

Obverse 15.

Reverse Z. (This was sold in the G. F. E. Wilharm sale, Feb. 15, 1921, Lot No. 1375, as "Gilbert No. 62.") Collection Geo. H. Clapp.

No. 33. (New Variety. Obv. G-E 29, Rev. G-E 14.)

Obverse 18.

Reverse P. The only example seen has the broken obverse die noted and reverse without the injury through R noted on No. 13. Collection George H. Clapp.

No. 34. (New Variety. Obv. New, Rev. S. 1797.)

Obverse 20. LIBERTY evenly spaced; point of curl below right side of upright of B; highest wave of hair to left of R; junction point of hair and forehead below center of T; date widely and evenly spaced, point of 1 closer to hair than to curl, 6 high with knob just touching drapery. A very heavy break in the die starts at rim opposite chin, curves upward through the mouth and then downward across the hair, just touching the lower ribbon, and on to rim.

Reverse BB. No stems. Fraction bar short, numerator high, 1 widely separated from 00 which are close; UNITED STATES compact, first S low and close to T; AMERI close; CE almost touch at top and are below NT; point of leaf below center of curve of D; point of

lowest leaf on right slightly right of center of C; sixteen leaves and five berries on left, nineteen and five on right branch. Same as Rev. S, C-N No. 27, 1797. (Only one example known, collection of Geo. H. Clapp)

John P. Kennedy published a description of this new variety in *The Numismatist*, 1928, Vol. XLI, p. 351, but reverse was not identified as being the same as 1797, D-97. It was illustrated in the August number, p. 462, but the illustration is very poor.

## DUPLICATIONS AND UNKNOWN

For descriptions of these varieties we refer the reader to *The Varieties of the United States Cents of 1796* with Supplements, by E. Gilbert and Thomas L. Elder, New York, 1909.

### G-E No. 8.

"Obverse 8. Reverse 7."

Only known from description. Gilbert says that "No. 25" has "Obv. 8," so description will be found under No. 23. Have been unable to find a record of this variety in any collection sold in recent years, nor can we locate it in any collection known to us.

### G-E No. 21.

"Obverse 14. Reverse 5."

Obverse 14 same as Obverse 5, so this is nothing but No. 5.

### G-E No. 22.

"Obverse 2. Reverse New."

Have not seen. (May be same as No. 35.) Single leaves at top of wreath.

### G-E No. 26.

"Obverse 16. Reverse 11."

Have not seen. This was published as "Obv. of 26, Rev. 11" and corrected to "Obv. 16" by Mr. Gilbert in his personal copy of *Cents of 1796*.

(Reverses 10 and 11 have the same number of leaves and berries and are quite similar in other particulars, so if this variety was based on a worn cent it may be same as No. 16.)

G-E No. 27.

"Obverse 12. Reverse New."

May be same as No. 19. The description of reverse fits Rev. T. Single leaves at top of wreath.

G-E No. 28.

"Obverse New. Reverse 6."

Have not seen, but may be same as No. 25 or, from the description, almost anything else.

G-E No. 31.

"Obverse 7. Reverse 5."

Have not seen.

G-E No. 32.

"Obverse 6. Reverse 5."

This is nothing but No. 6. Have never seen "Obv. 6" combined with "Rev. 6" of Gilbert.

G-E No. 37.

"Obverse similar to No. 2. Reverse New."

The description given agrees exactly with Obv. 12. The reverse description agrees exactly with reverse of No. 19, so this may be No. 19. Single leaves at top of wreath.

G-E No. 39.

"Obverse similar to No. 8. Reverse No. 5."

Have not seen. (May be same as No. 23 or No. 25.)

G-E No. 40.

"Obverse 5. Reverse 6."

This can only be No. 5.

# THE UNITED STATES CENTS OF 1797

# THE UNITED STATES CENTS OF 1797

But one type of obverse was used in this year, the "Fillet" head adopted during 1796, and, so far as seen, there were no "overdates" showing that all dies used were cut during the year.

The reverse had not yet been standardized, so there is some variation in the number of leaves and berries. The reverse used with Nos. 1, 2 and 3 is F of 1796, C-N No. I. With the exception of this reverse all have two leaves at top of right wreath. Reverse of No. 6 is R of 1796, C-N No. 15, and No. 25 has Rev. N, 1796. Unless otherwise stated all reverses have sixteen leaves and five berries on the left, nineteen and five on the right branch.

In LIBERTY two types of L were used, **L** and **L**, the latter only on Nos. 26 and 27 being the same as that used on all the cents of 1798, with the exception of "Group I." Defective B, with left top missing, was used on ten varieties. Two types of R were used, **R** and **R**, the latter only on Nos. 26 and 27. D with left top missing was used on No. 26, and D with left top very long on No. 9.

Some varieties are found faintly milled with diagonal lines which rarely extend entirely around the periphery and Nos. 2 and 3 are heavily marked with widely spread depressions, sometimes referred to as "gripped edge."

## KEY TO CENTS OF 1797

### Obverse

Short-tipped L; imperfect B with top point missing; straight-tailed R. Nos. 3, 9, 12, 13, 14, 15, 17, 18, 23, 25.

Short-tipped L; perfect B; straight-tailed R. Nos. 1, 2, 4, 5, 6, 7, 8, 10, 11, 16, 19, 20, 21, 22, 24, 27, 28, 29.

Long-tipped L; perfect B; curl-tailed R. Nos. 26, 27.

Imperfect T, with right pendant detached in LIBERTY. No. 23.

### Reverse

D with top point missing. No. 26.

D with top point long. Nos. 8, 9, 10.

Berry under center of D. No. 20.

No stems. Nos. 14, 15, 16, 27.

Fraction bar ends in long point to right. Nos. 22, 23, 24, 26.

Leaves and Berries

Left 16–5; right 19–5. Nos. 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, 26, 27, 28, 29.

Left 16–6; right 19–6. Nos. 6, 18. No. 6 has Rev. R, 1796.

Left 16–6; right 19–5. Nos. 20, 25. No. 25 has Rev. N, 1796.

Left 16–5; right 19–4. No. 19.

Left 18–5; right 17–3. Single leaves at top. Rev. F, 1796. Nos. 1, 2, 3.

## NEW ARRANGEMENT OF THE CENTS OF 1797

| *C-N. Nos.* | *Obv.* | *Rev.* | *Doughty Equivalents* |
|---|---|---|---|
| 1 | 1 | A | Obv. New, Rev. 93 |
| 2 | 2 | A | 94 |
| 3 | 3 | A | 93 |
| 4 | 4 | B | Obv. 106, Rev. New |
| 5 | 4 | C | Obv. 106, Rev. New |
| 6 | 4 | D | 106 |
| 7 | 5 | E | Obv. and Rev. New |
| 8 | 5 | F | Obv. New, Rev. 107 |
| 9 | 6 | F | 107 |
| 10 | 7 | F | Obv. New, Rev. 107 |
| 11 | 8 | G | 109 |
| 12 | 9 | G | 108 |
| 13 | 9 | H | 99 |
| 14 | 9 | I | 98 |
| 15 | 10 | I | Obv. New, Rev. 98 |
| 16 | 11 | I | Obv. New, Rev. 98 |
| 17 | 12 | J | 95 |
| 18 | 13 | K | 100 |
| 19 | 14 | L | 102 |
| 20 | 14 | M | 101 |
| 21 | 15 | N | 103 |
| 22 | 16 | O | 105 |

| | | | |
|---|---|---|---|
| 23 | 17 | O | 104 |
| 24 | 18 | P | Obv. and Rev. New |
| 25 | 19 | Q | Obv. New, Rev. N-1796 |
| 26 | 20 | R | 96 |
| 27 | 20 | S | 97 |
| 28 | 4 | T | Obv. 106, Rev. New |
| 29 | 21 | N | Obv. New, Rev. 103 |

No. 1. (Obv. New, Rev. D-93)

Obverse 1. LIBERTY widely and evenly spaced; point of curl below left side of upright of B; highest wave of hair below space between E and R; junction point of hair and forehead below left foot of T; date evenly spaced, point of 1 closer to hair than to curl. A break starts at top of B, runs through top of E and down about to the middle of R and T.

Reverse A. Fraction bar long, 100 too far to left, evenly spaced; stems long and thin, left points to left side of U, right to right foot of A; UN very close, NITE widely spaced, ED close with D low; TAT close; AMER very close; a vertical crack above right side of N in ONE; eighteen leaves and five berries on left, seventeen and three on right branch, single leaves at top.
Same as Rev. F. 1796, C-N No. I. The only specimen seen is much worn but LIBERTY is strong. (Collection of Geo. H. Clapp.)

No. 2. (D-94)

Obverse 2. LIBERTY about evenly spaced, IB a little closer than the other letters, T high; point of curl below center of curve of B; highest wave of hair below center of R; junction point of hair and forehead below right foot of T; 179 widely spaced, 97 closer with 7 high, point of 1 slightly closer to hair than to curl.

Reverse A. Either perfect or with crack from rim past left side of U. The obverse die began to fail early along the face and around the knot, later became very rough and nose was flattened; a crack started to left of L, runs along top of LIBERTY with BERTY breaking down; a crack from rim opposite the knot runs through curls and date.

Rim either plain or milled with widely spaced indentations, sometimes referred to as "gripped edge."

No. 3. (D-93)

OBVERSE 3. LIBERTY evenly and rather closely spaced, top of B defective; point of curl below left side of upright of B; highest wave of hair between E and R; junction point of hair and forehead below center of T; date closely and almost evenly spaced, point of 1 closer to hair than to curl.

REVERSE A. Crack from rim past left side of U.
Edge milled.
Found with crack running from rim to center of knot; from this crack another runs upward to rim; a third curves downward through the field crossing the curls into the bust; through 97 across the bust and through field to rim; from rim through ERTY; additional light cracks on reverse.

No. 4. (OBV. D-106, REV. New)

OBVERSE 4. LIBERTY well spaced; point of curl below center of upright of B; highest wave of hair between E and R; junction point of hair and forehead below left side of upright of T; date very compact, final 7 high with right top almost touching drapery, point of 1 closer to hair than to curl, 9 leans left. There is a saw-tooth cut, 2 mm. long, on the cheek just below the eye.

REVERSE B. Fraction bar very short, entirely over 00 with an engraver's scratch running to left ribbon, 1 close to left ribbon; left stem points to bottom of U, right to left foot of A; TAT widely separated; first outside berry on left on very long stem, inner berry stemless; point of leaf below outer curve of D; point of lowest leaf on right below center of C.
Found with crack along top of MERI; crack much heavier starting at rim between A and M and crack from right top of M to rim, heavy rim break over IC.

No. 5. (OBV. D-106, REV. New)

OBVERSE 4.

REVERSE C. Fraction bar short and to left, 00 closer than 10, final 0 half under

right ribbon; left stem ends in a long engraver's scratch which runs to right bottom of U, right points to right foot of A; point of leaf below inner curve of D; point of lowest leaf on right below left foot of A; second berry on left attached to point of leaf below.
Found with light crack connecting tops of ED and rim break extending from above right side of D over S and almost to right side of T. (See No. 28, which should come between Nos. 5 and 6.)

No. 6. (D-106)

Obverse 4.

Reverse D. Fraction bar short, numerator too far to the left, 100 widely spaced, 10 closer than 00, final 0 high; stems heavy, very distinct where they cross the knot, left points to left bottom of U, right to center of right foot of A; ST close; above TA are two denticles connected by a break; sixteen leaves and six berries on left, nineteen and six on right branch; point of leaf below inner curve of D; point of lowest leaf on right below extreme left foot of A. Faint crack from pendant of F runs halfway to center of A; another from right top of N in ONE touches foot of E and on to left top of T in CENT. Same as Rev. R, 1796, C-N No. 15.

No. 7. (Obv. and Rev. New)

Obverse 5. LIB close, other letters more widely spaced, foot of R just touches hair; point of curl below right side of upright of B; highest wave of hair below left foot of R; junction point of hair and forehead below left side of upright of T; date closely and about evenly spaced, point of 1 close to hair and distant from curl. There is a swell in the die across point of bust.

Reverse E. Fraction bar short, 100 widely spaced, 00 closer than 10, final 0 entirely below right ribbon; left stem points past right bottom of U, right to left foot of A; AMERI close; a small defect near the rim to left of A, defect on right top of M; point of leaf below inner curve of D; point of lowest leaf on right below center of C.

No. 8. (Obv. New, Rev. D-107)

Obverse 5. On all examples seen there is heavy suction all around the head heaviest from nose to throat and around knot; die heavily swollen

from opposite nose down the field, across point of bust and 97, another swell opposite second curl from bottom to above the knot.

Reverse F. Fraction bar very short, 100 widely spaced; left stem points to a small defect above the bottom of U, right to center of A; D has long top; break right foot of A to left pendant of T; AME and RI very close; EN in CENT touch; point of leaf below inner curve of D; point of lowest leaf on right below extreme left foot of A; due to heavy swell on obverse die F and sometimes A are weak.

No. 9. (D-107)

Obverse 6. LIB close, other letters more widely spaced, B defective; point of curl below right side of upright of B; highest wave of hair between E and R; junction point of hair and forehead below center of upright of T; date compact, point of 1 much closer to hair than to curl, both tops of 7 touch the drapery. There is a long denticle opposite the nose and to the left of this are two denticles united by a break into a U shape. On the most perfect example seen there are several small chips out of the die to left of 1 and lowest curls, and in field in front of face and neck.

Reverse F. Light crack from rim above M to right top of E and through RI. Found with light crack running from below lowest curl up field to left; heavy crack from throat to rim; light crack from nose down to rim; cracks heavier and a new crack from nose up to rim; all cracks heavier and bridge of nose broken down. Additional cracks can be found on very fine examples, but they become so complicated that it does not seem worth while to try to describe them. Edge lightly milled or plain.

No. 10. (Obv. New, Rev. D-107)

Obverse 7. LIBERTY evenly spaced; point of curl below center of upright of B; highest wave of hair between E and R; junction point of hair and forehead below center of T; date compact, point of 1 equidistant hair and curl, and pointing directly into angle formed by them.

Reverse F. Cracked as on No. 9.
Found with crack from rim opposite top of knot extending 2 mm. into the field, then turns almost at a right angle down to opposite

lower hair ribbon. (This crack is mentioned by Doughty under No. 107; he did not see that it is a different die.)
Crack through Y and down the field almost to point of bust; from rim below 7 through right top of 1 to hair.

No. 11. (D-109)

OBVERSE 8. LIBERTY widely spaced, foot of R almost touches hair; point of curl just to right of upright of B; highest wave of hair below left foot of R; junction point of hair and forehead below left side of upright of T; date well spaced, point of 1 connected to hair, 9 leans left, both points of final 7 touch drapery.

REVERSE G. Fraction bar short, 100 widely spaced; stems short, left points to space between U and N, right to right foot of A; first T in STATES high; M cut over an E; EN in CENT very close; point of leaf below outer curve of D; point of lowest leaf on right below right foot of A.
Found with crack from rim through curls, rim to right of 7 through bust to rim; first crack heavier and crack to right of 7 continues up across bust; crack above first crack and parallel to it runs to curl; all cracks heavier with additional crack from upper curl up through ends of hair ribbons to rim; crack along tops of LI through center of B to hair and additional small cracks can be found at TY, hair ribbon and point of nose; A in STATES either perfect or with small break at left foot and a small defect under base of I in AMERICA.

No. 12. (D-108)

OBVERSE 9. LIBERTY evenly spaced, B defective, foot of R very close to hair; point of curl below right side of upright of B; highest wave of hair below left foot of R; junction point of hair and forehead below center of T; date compact, point of 1 equidistant hair and curl, 9 leans left and has a small defect on back opposite lowest point of top of 7.

REVERSE G. Defects under left foot of A in STATES and base of I in AMERICA. Obverse 9 was used with three reverses to make varieties Nos. 12, 13 and 14. Early in its use a break developed at the rim back of the knot and as it extended downward became heavier, reaching its maximum on No. 14. The most perfect specimen seen shows a faint line of weakness in the field running from the rim

opposite the bust to the rim to right of Y. As the break back of knot became heavier a crack developed along this line and small chips broke out of the die between the crack and rim; this crack reached its maximum development in the final stage of No. 14. There is also a small break at end of nose.

No. 13. (D-99)

OBVERSE 9. A short diagonal crack across the upright of R on most examples. See remarks under No. 12 for development of cracks.

REVERSE H. Fraction bar short ending in a sharp point at right, numerator almost touches bar, 100 widely spaced; stems short and high, left points to bottom of U, right to left foot of A; AME and RI rather close; point of leaf below inner curve of D; point of lowest leaf on right between C and A; leaf touching back of C in CENT is a mere outline, the one opposite T in UNITED shows only the upper half; left ribbon defective, the lower half being entirely disconnected.

No. 14. (D-98)

OBVERSE 9. Small break on forelock below tail of R. See remarks under Nos. 12 and 13 for details of cracks.

REVERSE I. No stems. Fraction bar short, 10 distant; AME almost touch, RI close; CEN close, NT touch; point of leaf below right side of upright of D; point of lowest leaf on right between C and A; a line on left side of right ribbon below the knot and again at end.

No. 15. (OBV. New, REV. D-98)

OBVERSE 10. LIB and ER closer than other letters, left top of B missing and lower point double; point of curl below center of upright of B; highest wave of hair between E and R; junction point of hair and forehead below center of upright of T; 17 more distant than 797, point of 1 about equidistant hair and curl.

REVERSE I. Found with rim break over IC.

No. 16. (OBV. New, REV. D-98)

OBVERSE 11. LIB close, B perfect with scratch from top extending to rim above I, foot of R nearly touches hair; point of curl below center of up-

right of B; highest wave of hair, which is a distinct point, between E and R; junction point of hair and forehead below left side of upright of T; date almost evenly spaced, point of 1 closer to hair than to curl.

Reverse I. With rim break over IC.
Found with heavy suction from throat around head to knot, crack from throat to rim, a V-shaped break runs from rim through top of T to R; irregular crack along top of STATE. Edge milled.

No. 17. (D-95)

Obverse 12. LIBERTY evenly spaced, B defective, right foot of E touches hair, foot of R very close; curl does not end in a point, top is between B and E; highest wave of hair between E and R; junction point of hair and forehead below left foot of T; 179 evenly spaced, 97 closer, 7 high, right top just touches drapery, point of 1 touches hair; lowest tress of curl does not continue to bust and line under drapery does not continue to the hair; a chip out of the die in front of throat.

Reverse J. Fraction bar long, 100 very close; left stem points to left bottom of U, right to right foot of A; N high, close to U; AT close; AME touch, IC widely spaced; letters of ONE CENT coarse and irregularly spaced, diagonal of N's very heavy and long, C low, ENT touch; point of leaf below left foot of D; point of lowest leaf on right below left foot of A; a series of chips out of the die starts at 100 running up outside of the wreath to below ER.
Found with break through 97 and defect along the rim to right; crack from wreath through E in AMERICA; additional intermediate cracks are sometimes found.

No. 18. (D-100)

Obverse 13. LI close, other letters evenly spaced, B imperfect; point of curl below right side of upright of B; highest wave of hair below left foot of R; junction point of hair and forehead below center of upright of T; 179 evenly spaced, 97 much closer, point of 1 closer to hair than to curl.

Reverse K. Fraction bar short, point of 1 of denominator close to left ribbon, 10 widely separated; left stem points to left bottom of U, right to

right foot of A; ONE high, CENT low; sixteen leaves and six berries on left, nineteen and six on right branch; point of leaf below inner curve of D; point of lowest leaf on right between C and A; a light crack runs across tips of second outside pair of leaves on right to near foot of I, a defect in the die runs from top of C into the rim.

No. 19. (D-102)

Obverse 14. LI and ER close, other letters well spaced; point of curl below center of curve of B; highest wave of hair below tail of R; junction point of hair and forehead between T and Y; 179 widely spaced, 97 very close, point of 1 equidistant hair and curl, bottoms of 7's almost touch denticles. This die was apparently made from a piece of poor steel, as it soon began to flake above IB, between T and Y, around face and point of bust, between 1 and 7 and diagonally across final 7.

Reverse L. Fraction bar long, 1 of denominator close to left ribbon, 10 widely separated; left stem points to left side of U, right to center of right foot of A; C in CENT high; sixteen leaves and five berries on left, nineteen and four on right branch; point of leaf below center of upright of D; point of lowest leaf on right below extreme left foot of A, upper leaf of this pair a mere point. So far as seen, this reverse is always poorly struck, that is, not sharp, and on some examples some letters of the legend are much flattened.
Found with crack from rim through left top and bottom of U to wreath; another from rim runs through F, then down the wreath and through R to rim; another from rim through left foot of E to wreath, then curves outward along back of C to rim.

No. 20. (D-101)

Obverse 14. Die much more flaked than on No. 19, with many defects in the field back of head and in front of face.

Reverse M. Fraction bar long, 10 widely spaced, 00 close; ribbons very widely spread, fraction close to right; left stem points to left side of U, right to center of foot of A; under first S an outline of an S shows; final A touches ribbon; sixteen leaves and six berries on left, nineteen and five on right branch; *point of leaf between* E *and* D, *berry below center of* D; point of lowest leaf on right below center of C. This die was also made from a piece of poor steel, as on the most

perfect example seen it is swollen at UNI and RICA; a crack from rim through end of right ribbon and AC to rim near I; another from rim runs between oo, just touches right end of fraction bar and crosses ribbon and stem; cracks heavier and IC and top of A gone.

No. 21. (D-103)

Obverse 15. LIBERTY well spaced, foot of R touches hair, engraver's scratch from top of B extends over I; point of curl below center of upright of B; highest wave of hair touches left foot of R; junction point of hair and forehead below center of upright of T; date compact, point of 1 very close to hair, right top of 7 almost touches drapery.

Reverse N. Fraction bar short, pointed at both ends, 1 to left of bar; stems high, left points to space between U and N, right to right bottom of C; small diagonal break between E and D; AME and RI close; point of leaf below inner curve of D; point of lowest leaf on right side of C; die swollen from ES to AM; four chips out of die above final A.

Found with die failing over TED; crack from left of S along its top to T; cracks from right tops of E and S to rim; swell in die much heavier; crack from wreath stem back of C in CENT runs up along back of O to top of left pair of leaves, then across to top of pair on right.

No. 22. (D-105)

Obverse 16. LIB close, foot of R touches hair; point of curl below center of upright of B; highest wave of hair between E and R; junction point of hair and forehead below left side of upright of T; date well spaced, point of 1 close to hair, right top of 7 close to drapery.

Reverse O. Fraction bar short with long engraver's scratch running to right ribbon; left stem ends in a long scratch which nearly touches bottom of U, right points to center of A; ST and AT close; AME almost touch; NT touch; point of leaf below center of D; point of lowest leaf on right below right side of C; die swollen at S OF A; strong center dot.

Found with crack along top of LIBERTY; a row of impressed denticles under date and to right past bust; crack from middle of 1 runs through bottom of curl to rim on left, where it joins a cross crack from rim to hair; a light crack from rim near F along top of AME.

No. 23. (D-104)

Obverse 17. LIBERTY unevenly spaced, LIB close, BE widely separated, B imperfect, top of T unfinished, right pendant being disconnected; point of curl below right edge of upright of B; highest wave of hair below upright of R; junction point of hair and forehead below right side of upright of T; date compact with a little more space between 1 and 7 than between other figures, point of 1 close to hair, right top of 7 close to drapery.

Reverse O. Cracked as on No. 22.
Found with die swollen at point of bust and back of hair; crack from rim below 1 up the field to left of rim opposite the knot; crack from bottom of Y down the field to opposite the chin and swells in die much heavier with OF obliterated, also 7 in some cases. Last stages of this obverse resemble No. 10.

No. 24. (Obv. and Rev. New)

Obverse 18. LIB closer than other letters, R slightly low; point of curl below center of upright of B; highest wave of hair between E and R; junction point of hair and forehead below right side of upright of T; 17 distant, 97 close, point of 1 equidistant hair and curl and points directly into the angle formed by them, on some examples the knob of 9 is very weak or missing.

Reverse P. Fraction bar short, entirely over 00, with a long engraver's scratch running to right ribbon, 100 widely spaced with 1 under left ribbon; left stem points to bottom of U, right to left foot of A; F lightly recut; AME and RI very close; heavy suction at various places around the wreath; point of leaf below right side of upright of D; point of lowest leaf on right below right side of C.
Found with crack from left ribbon to point of numerator; crack from rim through left ribbon, wreath and right side of C in CENT.

No. 25. (Obv. New, Rev. N-1796)

Obverse 19. LIB close, B imperfect, left foot of R close to hair; point of curl below center of upright of B; highest wave of hair between E and R; junction point of hair and forehead below left side of upright of T; 179 evenly and rather widely spaced, 97 closer, point of 1

closer to hair than to curl, final 7 leans left and right top just touches drapery; next to lowest curl is unfinished.

Reverse Q. Fraction bar short, covers whole of first o and half of second, 100 widely, evenly spaced, too far to left; stems short, left points to left bottom of U, right to left foot of A; UNIT rather close; AMERICA well spaced, A very close to right ribbon; sixteen leaves and six berries on left, nineteen and five on right branch, second berry on left high and on a very thin stem, on worn specimens appears to be detached; light scratches on inner side of upper part of both ribbons, bows unfinished; there is an injury to left of A in STATES, and crack above second T—mentioned under 1796, No. 11—has just started, there are no scratches at CA. (Same as 1796, Rev. N, C-N No. 10.) Discovered by A. C. Gies.

No. 26. (D-96)

Obverse 20. LIBERTY well spaced with exception of IB, which are rather close; L and R differ from all other obverses of the year (see page 1); point of curl below inner curve of B; highest wave of hair below upright of R; junction point of hair and forehead below right side of upright of T; date compact, point of 1 very close to hair, distant from curl, left top of 7 touches and right top is embedded in the drapery.

Reverse R. Fraction bar short with an engraver's scratch running into the right ribbon, 1 distant from o, final o high; stems short, left points to bottom of U, right, which is high and very close to leaf, past left foot of A; top of D defective; STATES very compact; AM and RI close; ONE and CENT widely separated, with ONE too far to the left; point of leaf below center of D; point of lowest leaf on right between C and A. Edge plain or milled.

No. 27. (D-97)

Obverse 20.

Reverse S. No stems. Fraction bar short, numerator high, 1 widely separated from oo, which are close; UNITED STATES compact, first S low and close to T, AT nearly touch; AMERI close; CEN almost touch at tops and CE are below NT; point of leaf below outer curve of D; point of lowest leaf on right slightly right of center of C. Same as Rev. BB, 1796.

No. 28. (Obv. D-106, Rev. New)

Obverse 4.

Reverse T. Fraction bar short, covering all of first 0 and half of second, ending in a point; 00 closer than 10; stems short, left points to center of bottom of U, right to right foot of A; TAT high; highest leaf on right to right of S; point of leaf to right of center of D; point of lowest left on right above left foot of A; N in CENT below E and T; sixteen leaves and five berries on left, nineteen and five on right; all berries have long stems, second berry on left touches stem of leaf above. (This variety should come between Nos. 5 and 6.) Discovered by H. C. Hines.

No. 29. (Obv. New, Rev. D-103)

Obverse 21. LIBERTY about equally spaced between rim and hair, LIB and ER close, B perfect, R leans to right, right foot of T long; point of curl below center of upright of B; highest wave of hair below space between E and R; junction point of hair and forehead below center of T; date very evenly spaced, point of 1 directly in line of angle formed by hair and curl. A crack from center of point of bust to rim opposite the nose. (No. 3 is found with an almost identical crack, but it ends opposite the mouth.) Hair around next to lowest curl has an unfinished look. What appears to be a crack runs from 7 across 9 and through final 7, but it may be a flan defect.

Reverse N. In this variety the reverse is perfect, showing no sign of the swell in die running from TES to OF, and always found, so far as known, on No. 21. Discovered by Wm. H. Sheldon in 1935.

# THE UNITED STATES CENTS OF 1800

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When studying the Cents of 1800, one is immediately struck by the close similarity of all varieties. The head of Liberty, adopted in the latter part of 1798 and used throughout 1807, is found on all, with the exception of Nos. 1 and 2 (D-140-139), an "overdate," where an early die of 1798, with "Type 1" hair, was used.

The reverse dies were undoubtedly all struck from the same hob, as the variations in the different dies are of a minor character such as might be caused by the engraver when finishing the die. A center dot is found on practically all the reverses of earlier years, but none of 1800 show any trace of one, an additional indication of the use of a single hob. The stems of the wreath are short and vary somewhat in diameter, but the variation is so slight that, as a rule, it does not seem worth mentioning in the description. The right stem is always slightly longer than the left. The number of leaves and berries and position of point of leaf in relation to certain letters in the legend, as given under Reverse A, applies equally well to all others, except as slight variation is noted.

The descriptions here given are based on the best specimens that we have been able to obtain, but on account of the difficulty of finding many cents of 1800 very fine or better, descriptions of cracks have, in the majority of cases, been reduced to what can be seen on any very good or fine specimens; the cracks are listed in the order of their appearance.

On thirteen of the twenty reverses described D in UNITED is slightly higher than E, that is, it leans to the right. The difference is so slight, in most cases, that on worn specimens it is practically impossible to see. For this reason any reference to ED is omitted except where D is lower than or level with E.

In the September, 1888, issue of *The Coin Collector's Journal*, page 136, Mr. Proskey, referring to the Cents of 1800, said: "They are common enough, with the exception of the varieties noted, in ordinary condition, but the copper was very soft, and to find perfectly preserved specimens is a very difficult thing." This statement was copied verbatim by Mr. Doughty when he republished Proskey's articles in book form in 1890. It is naturally much more difficult today to find fine specimens of 1800 than it was in 1888. A large proportion of the Cents of 1800, now to be had, are so badly worn that they can only be identified as "1800."

Obverses 5, 6, 8, and 19, and Reverses H and J were photographed from the

only examples known to the writers. In examining the plate it is best to use a reading glass or pocket magnifier, as the position of point of curl in relation to B can then be readily determined. It will also aid in following the cracks, and other points mentioned on the reverse.

## KEY TO CENTS OF 1800

### Obverses

| | | |
|---|---|---|
| Overdates. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9. | | |
| A V-shaped break from rim between I and B. | No. | 10. |
| Diagonal saw-tooth cut in front of nose. | No. | 16. |
| Die failing at 00 in date. | No. | 25. |
| Heavy rim breaks back of hair. | No. | 26. |

### Reverses

All reverses have same number of leaves and berries, 16–5, 19–5.

| | | |
|---|---|---|
| T R incused under final o and right ribbon. | No. | 1. |
| Second berry on left stemless. | No. | 2. |
| First inside pair of leaves on right stemless. | No. | 4. |
| Second inside pair of leaves on right stemless. | No. | 7. |
| Third pair of leaves outside right stemless; heavy break from left ribbon down left of 100. | No. | 11. |
| Second inside pair of leaves on left and first inside pair on right stemless. | No. | 14. |
| E in UNITED poorly shaped. | No. | 8. |
| Hook at right bottom of final S. | Nos. | 9, 10. |
| Point of bust heavily incused at S OF (also found without incuse). | No. | 16. |
| Heavy triangular break under 100. | No. | 20. |
| Crack from rim to AM, another RICA. | No. | 23. |
| C of CENT has point on inside center. | No. | 25. |

## NEW ARRANGEMENT OF THE CENTS OF 1800

| *C-N Nos.* | *Obv.* | *Rev.* | *Doughty Nos.* |
|---|---|---|---|
| 1 | 1 | A | 140 (overdate) |
| 2 | 1 | B | 139 (overdate) |
| 3 | 2 | C | 141 (overdate) |
| 4 | 2 | D | 142 (overdate) |

| | | | |
|---|---|---|---|
| 5 | 3 | E | 143 (overdate) |
| 6 | 3 | F | 144 (overdate) |
| 7 | 4 | G | 145 (overdate) |
| 8 | 5 | H | Obv. and Rev. New (overdate) |
| 9 | 6 | I | Obv. New, Rev. 146 (overdate) |
| 10 | 7 | I | 146 |
| 11 | 8 | J | 147 |
| 12 | 9 | K | 149 |
| 13 | 9 | L | 148 |
| 14 | 9 | M | Obv. 149, Rev. New |
| 15 | 9 | N | 150 |
| 16 | 10 | O | 151 |
| 17 | 11 | P | 153 |
| 18 | 12 | P | Obv. 152, Rev. 153 |
| 19 | 12 | Q | 152 |
| 20 | 13 | Q | Obv. New, Rev. 152 |
| 21 | 14 | R | 154 |
| 22 | 15 | R | Obv. New, Rev. 154 |
| 23 | 16 | R | 155 |
| 24 | 17 | S | Obv. and Rev. New |
| 25 | 18 | T | Obv. and Rev. New |
| 26 | 19 | (?) | Obv. New Rev. ? |

No. 1. (D-140) Overdate.

Obverse 1. This was an early die of 1798, having "Type 1" hair, all subsequent dies having "Type 2" hair, as used from the latter end of 1798 through 1807. The 8 has been cut over a 7, the upper points of which show above its top, the lower part of the loop of 9 shows in the first 0, in the second 0 the lower loop of an 8 can plainly be seen; figures of date closely and evenly spaced, point of 1 dis-

tant from hair and curl; LIBERT evenly spaced, Y more distant; point of curl below inner curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right end of foot of T; a short, perpendicular cut in the die runs up from the hair immediately to left of point of curl; there is an irregular lump on the face just below the ear; another on upper line of drapery, close to hair.

Reverse A. Fraction bar long, thin; U double cut on inside left; D level with E; first S low, defect under foot of T, another below left foot of A; AMER close, bottom of E and left side of final A double cut, lump on top of R; RT incused under final o and right ribbon; CENT evenly and closely spaced; leaf touches back of C; leaf under T cuts off half of right foot; point of lowest leaf on left to left of right side of N; point of leaf below inner curve of D; point of highest leaf to right of left side of S; sixteen leaves and five berries on left, nineteen and five on right branch.
Found with break from ribbon through fraction; break from bottom of I in AMERICA; many small chips out of die; wreath rough.

No. 2. (D-139) Overdate.

Obverse 1. Die is sinking, and top of RTY is weak due to cracks on reverse at $\frac{1}{100}$ ACI.

Reverse B. Fraction bar long, numerator to left of center; D higher than E; first S in STATES low; O in OF low; AMER close; second berry on left stemless.
Found with a row of impressed denticles over STAT; die badly sunken at 100; a heavy irregular crack runs from rim through center of final A in AMERICA, then in a V shape to end of right ribbon; another runs from center of I, through C to left foot of A; O in ONE broken at inner top, and bottom is connected to N by a break; die sinking below ON to N in CENT; small chips out of die above N and between ONE and CENT; first pair of leaves on left connected to group above by a break; slight sinking of die at E in UNITED; crack extends through I to rim; die sinking at E is more pronounced; all cracks and injuries heavier; crack from 1 in 100 to rim; another from left ribbon to rim; additional flakes out of die and pair of leaves under ST breaking down; die is shattered,

all breaks heavier; additional cracks through D to C, between ER, right side of R to left foot of A; other minor cracks.

No. 3. (D-141) Overdate.

OBVERSE 2. Points of 7 show very distinctly above top of 8, first 0 has been changed from a 9, final 0 shows just a trace of another figure in the center; figures of date closely and evenly spaced, point of 1 equidistant hair and curl; LIBERTY well spaced with slightly more space between E and R than between other letters; point of curl to right of inner curve of B; highest wave of hair below left foot of R; junction point of hair and forehead below center of T; tops of RTY generally weak.

REVERSE C. Fraction bar long, final o high; T in UNITED irregular on top; left foot of E in STATES missing; AM and ER close, ME touch, inner side of upright of E recut, lump on top of R; second berry on left on short stem which starts from and is closely appressed to leaf stem.

This reverse die apparently began to fail at once, as on the most perfect one seen, an uncirculated example, it is scaling in a series of broken lines from the bottom of O in OF and first A in AMERICA diagonally down to N in ONE and T in CENT, and through left ribbon bow to U. Later a crack started at the rim and ran through the fraction to CI; crack much heavier and branch cracks run up to RE.

No. 4. (D-142) Overdate.

OBVERSE 2. Die is sinking over TY caused by cracks on Reverse of No. 3.

REVERSE D. Fraction bar high above 100, square at left and tapering to a point at right end; T in UNITED irregular on top; left foot of E in STATES missing; AMER close, lump on top of R; YTR incused under CA and ribbon end; *first inside pair of leaves on right stemless.*

Found with crack which starts at left end of fraction bar, runs through left ribbon, bottom of U and left side of N to rim; another, heavy and irregular, from rim through left side of E in AMERICA to leaves; heavy rim break under fraction.

No. 5. (D-143) Overdate.

OBVERSE 3. Left top of 7 can be seen above top of 8, and top of 7 in upper loop, 9 distinctly shows in first 0, final 0 perfect, 80 closer than other figures, point of 1 closer to hair than to curl; LIBERT evenly spaced, Y more distant; point of curl below center of curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right foot of T; the die has been injured and a row of impressed denticles extends along top of ERTY and rim to opposite the nose. On fine specimens 100 can be seen faintly incused under ERT.

REVERSE E. Fraction bar long, bevelled down on left and up on right end, first o low; T in UNITED irregular on top, D level with E; left top of F long; AMER close, lump on top of R.
Found with rim failing over TY; a crack from rim below left ribbon runs along fraction bar, across right ribbon to foot of A, then up to top of C; rim broken from oo to A, slightly over C; rim break heavier, extending from 100 to A; heavy break over C; ERT incused under 100; rim breaks heavier, touching bottom of oo.

No. 6. (D-144) Overdate.

OBVERSE 3. A crack from rim runs through center of T and base of Y to rim opposite nose; rim broken and incused letters show to right of Y.

REVERSE F. Fraction bar very thin, long, and high above 100, slightly more space between 10 than oo; T in UNITED irregular on top; base of E in STATES recut; left top of F long; AM and ER close, ME touch, lumps on tops of M, E and R; inside berry on right, opposite T, very small and weak; letters and leaves rough, as if die had been slightly rusted.
Found with rim break covering half of T, all of Y and connected with first break; crack from rim through final o, right ribbon, along base of AC and up to middle of I; die sinking under fraction and AC.

No. 7. (D-145) Overdate.

OBVERSE 4. Points of 7 show above 8, 9 very distinct under 0, which, on some examples, has not been finished at the bottom, final 0 high, point of 1 equidistant curl and hair; IB in LIBERTY close, ER high,

other letters well spaced; point of curl below outside curve of B; highest wave of hair below center of R; junction point of hair and forehead halfway between T and Y.

Reverse G. Fraction bar very short; top of T in UNITED irregular; first S in STATES low, first T rough on left side; AMER close, lump under right foot of first A, lump on top of R, point on back of C; second berry on left stemless; *second inside pair of leaves on right stemless.*
Found with crack through right top of E to left bottom of S in STATES, there is a small hook-like defect on bottom of first S.

No. 8. (Obv. and Rev. New) Overdate.

Obverse 5. Left top of 7 shows above top of 8, bottom of top of 7 shows in upper loop of 8, trace of 9 in first 0; date closely and evenly spaced, point of 1 equidistant hair and curl; LIB slightly closer than other letters, Y distant from T; point of curl to left of inner curve of B; highest wave of hair below upright of R; junction point of hair and forehead below right side of upright of T.

Reverse H. Fraction bar long, spindle-shaped; numerator heavy and without top point, 100 evenly spaced; T in UNITED irregular, E with center *cross stroke very high and misshapen*, the lower part of the downstroke being twice as long as the upper; AM and ER close, ME almost touch; ONE CENT heavy, slightly irregular, O breaking down on right side; heavy suction line from left stem across leaf past first berry, second berry on left stemless, held between point of leaf and stem above; a break from fourth leaf on left across third leaf. (Collection of Geo. H. Clapp.)

No. 9. (Obv. New, Rev. D-146) Overdate.

Obverse 6. Points of 7 show above top of 8, part of curve of 9 can be seen in first 0; figures of date closely and evenly spaced, point of 1 distant from hair and curl; LIB closely spaced, R slightly high, Y close to T; point of curl below outer curve of B; highest wave of hair below center of upright of R; junction point of hair and forehead below right end of foot of T.

Reverse I. Fraction bar short, bevelled downward at both ends; top of T in UNITED irregular; D slightly below E; hook at right bottom of final S; AMER close, left top of M long.

Found with rim break starting opposite point of bust and running up a distance of 10 mm. (Collection of H. C. Hines.)

No. 10. (D-146)

Obverse 7. LIBE close, other letters well spaced, left foot of Y missing; point of curl below center of B; highest wave of hair below left foot of R; junction point of hair and forehead below upright of T; date unevenly spaced, 80 closer than other figures, point of 1 closer to curl than to hair. A V-shaped break starts at rim between I and B, runs halfway to base of B; below B there is a heavy break which runs to upright of E and fills the space halfway to hair; a faint crack extends across upper part of hair; another from hair above top of 1 to 8; a break in center of first 0 and another from its right side extends under final 0; a small chip out of die below ribbons; in later stages break increases in size and connects BE; breaks at date are heavier and the die is failing in front of neck.

Reverse I. Faint crack from top of T, through A to base of TE, then up to S; many small defects over and under ES; break on left upright of N in CENT; defects increasing in size and numbers; small rim break over AT.

No. 11. (D-147)

Obverse 8. LIB close, other letters more widely and evenly spaced, Y slightly high and left foot missing; point of curl below center of curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead slightly left of center of space between T and Y; date evenly spaced, point of 1 very close to curl, right top rounded and there is a minute chip out of the die to right; another small defect on right side of first 0 and a point under end of bust.

Reverse J. Fraction bar short with right end slightly higher than left; AM close, ME almost touch, ER close, final A recut on left side; all berries have very short stems; *third pair of leaves on outside right are stemless*, starting directly from wreath stem; small defects show around C in AMERICA.
Found with a row of impressed denticles above TY and to right; a light crack starting at center of I in AMERICA runs through center of CA and past end of right ribbon; *from left ribbon a heavy*

*break runs down left side of* 1 *in* 100 *almost to rim*; chips out of die between 100, right ribbon end and IC.

No. 12. (D-149)

Obverse 9. LIBE close, R slightly high; point of curl below center of B; top of highest wave of hair below upright of R; junction point of hair and forehead below right foot of T; date well spaced, figures generally thin and look unfinished, point of 1 very close to curl.

Reverse K. Fraction bar short; I in UNITED and first T in STATES high; AMER closer than RICA; top of C in CENT imperfect; second berry on left stemless and pinched between point of leaf and stem above.
Found with three light flakes, in line, out of die in front of neck; crack from right top of E through left top of D to rim; die failing over F; crack from E runs through base of T; another down right side of first S; another to left of foot of A in AMERICA; a large lump at rim over F and a crack runs from it past F to below left foot of A; another crack starts at base of left terminal leaf, runs down left side of O, past C, through left bottom of E to top of left bow; another light crack starts between T and E and runs through terminal leaf to pair below; another from top of second outside pair of leaves on right through base of M.

No. 13. (D-148)

Obverse 9. A slight crack from rim opposite lower curls and die is sinking from there to date; ciphers of date breaking down.

Reverse L. Fraction bar short, second o high; left foot of E in STATES short; left foot of F short; AMERICA well spaced, M slightly high; top of C in CENT imperfect; second berry on left on short stem.
Found with faint crack bottom of T to top of E in STATES, die sinking at STA; from rim above top of second T a crack runs to top of E; die failing at right side of O and inner upright of F; break above E in AMERICA and crack runs from base along leaves to right stem; crack starts below right foot of A, runs through ribbon and final o to rim; rim break over AT; break through OF; crack runs to point of leaf below ST; top of OF is heavily broken and break extends beyond top of F.

No. 14. (Obv. D-149, Rev. New)

Obverse 9. Crack continues to the hair, with a crack running up from it almost to ribbon end; ciphers more broken.

Reverse M. Fraction bar long, high, right end higher than left; AMER close; top of C in CENT perfect; second berry on left with short stem very close to leaf stem, third and fourth on very short stems; *second inside pair of leaves on left and first inside pair on right stemless.*

No. 15. (D-150)

Obverse 9. Crack is very heavy and continues down the curls causing a sinking of the die; a crack starts at rim and joins the second crack, which has become heavier; figures of date are failing badly; sinking of the die is much heavier; another crack runs up the rim, and curves out to top of knot; another, very light, runs from rim to hair to left of L.

Reverse N. Fraction bar rather short; first T in STATES recut at left top, die sinking due to heavy break on obverse and AT weak; left foot of F short, point of bust incused at F A; AMER close; a point on right side of right ribbon.
Found with swell in die extending from T in UNITED to final S; ATE very weak; a crack runs from leaves over O in ONE to the three under OF; another from left terminal leaf to bottom of S; suction from point of bust heavier.

No. 16. (D-151)

Obverse 10. LIBERTY well spaced, left foot of Y missing; point of curl below inner curve of B; highest wave of hair below upright of R; junction point of hair and forehead to right of foot of T; date evenly spaced, point of 1 very close to and overlaps curl; directly in front of the nose is a diagonal, saw-tooth cut in the die 2 mm. long.

Reverse O. Fraction bar long; top of T in UNITED irregular, D level with E; right top of first T in STATES very heavy; AM and ER close, ME almost touch, lump on top of R.
Found with a row of impressed denticles under curl and 180; point of bust heavily incused from final S across OF; 1800 incused under TES; crack along top of TES. The face, forelock and back

of hair are always flat on the injured but not on the perfect cent, and there is a row of impressed denticles under hair and date. The perfect die, without the incuse at OF, appears to be rare; Doughty did not know it.

No. 17. (D-153)

Obverse 11. LIB close, I slightly higher than L, Y low; point of curl below right side of curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below right foot of T; date well spaced with point of 1 closer to hair than to curl; the die has been injured, a row of impressed denticles showing from center of B, across E to R, then up to top of TY; in the field to right of Y there is a crack with tops of incused letters showing above it.

Reverse P. Fraction bar long, rather heavy, cut square at the ends and high above 100, which is evenly spaced; T in UNITED irregular on top; base of E in STATES recut; a scratch in the die between S and O; AM and ER close, ME touch; lumps on tops of M, E and R. This reverse is a very close copy of Rev. F, No. 6. The points of difference that can most readily be noticed are: the heavier fraction bar, spacing of 100, and the first inside berry on right branch, which is very small on Rev. F, while on Rev. P it is the same size as the one opposite.
Found with heavy rim break directly in front of face.

No. 18. (Obv. D-152, Rev. D-153)

Obverse 12. LIB closely spaced, Y low and distant from T, left foot of Y missing; point of curl below inner curve of B; highest wave of hair below left foot of R; junction point of hair and forehead below right side of upright of T; 18 more distant than 80, final 0 slightly closer than other figures and high, point of 1 closer to curl than to hair. On this combination the obverse die is unfinished at the two lower curls; it has two defects in front of neck, but crack back of hair is not as heavy as on No. 19; no margin above LIBERTY, but shows no evidence of injury.

Reverse P. A crack runs along base of A to lower point of C and from back of C to center of I.

No. 19. (D-152)

Obverse 12. The die has been finished at lower curls, and injured over LIBERTY, showing a row of impressed denticles over the letters; chip out of die opposite the neck larger; crack from hair above lower curls heavier, extends almost to rim.

Reverse Q. Fraction bar long; top of T in UNITED irregular; AM and ER close, ME almost touch, small point on right top of E, lump on top of R; first outside berry on right has a point on top. A crack runs from rim touching left top of U, through end of ribbon and along fraction bar; another starts at rim below first o, runs through it to top of final o, then through ribbon and along base of A to lower point of C; a third runs from back of C to center of I.

No. 20. (Obv. New, Rev. D-152)

Obverse 13. LIB closer than other letters, IB slightly high; point of curl below center of curve of B; highest wave of hair below upright of R; junction point of hair and forehead to right of foot of T; date evenly spaced, point of 1 slightly closer to hair than to curl.

Reverse Q. A heavy, triangular break below first o of fraction, touching the bottom of that figure.
Found with sinking at top of BE due to heavy break on reverse; row of impressed denticles over Y and to the right; faint crack forelock to foot of T; break extends up to final o and covers all of AC and upper half of I.

No. 21. (D-154)

Obverse 14. LIBERTY evenly spaced; point of curl below inner curve of B; highest wave of hair below upright of R; junction point of hair and forehead below right foot of T; date evenly spaced and curved, point of 1 very close to curl.

Reverse R. Fraction bar short; upright and top of T in UNITED out of shape; top of F uneven; AMER close, lump on top of R.
Found with die broken over TY covering tops of those letters; a small chip out of the die below end of lower ribbon; rim heavily broken from left of T, along rim to opposite nose, top of Y gone; a crack extends from foot of T through Y; crack starts at middle of right side of R in AMERICA, runs through bottom of I, base of C and up through middle of A to rim.

No. 22. (Obv. New, Rev. D-154)

Obverse 15. LIBERTY closely spaced, left foot of Y missing; point of curl below inner curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead below center of space between T and Y; date widely spaced and well curved, point of 1 high and equidistant hair and curl.

Reverse R.

Found with die injured at TY and in front of face; it is rough and incused letters show; heavy suction around head, particularly above and below knot; a light rim break under oo to right ribbon end.

No. 23. (D-155)

Obverse 16. LIB rather closely spaced with B slightly high, left foot of Y missing; point of curl to left of center of B; highest wave of hair below left foot of R; junction point of hair and forehead below right side of upright of T; date evenly spaced, distant from bust, point of 1 closer to curl than to hair.

Reverse R. A crack runs from rim to top of AM and through RICA.
Found with heavy, comma-shaped chip out of die between B and E; a crack from rim through left top of E and foot of R, past forelock and almost to rim opposite nose; die heavily injured from TY along rim, and faintly incused letters can be seen.

No. 24. (Obv. and Rev. New)

Obverse 17. LIBERTY well spaced with IB closer; point of curl below inner curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead midway T and Y; date well spaced, point of 1 close and points directly into angle formed by hair and curl.

Reverse S. Fraction bar short; T in UNITED badly shaped; slight failure in right top of O; AMER close; C in CENT unfinished at top, bottom point is short.
Found with die swollen in the field, from end of bust to opposite the chin; there is a crack through center of swell from rim halfway to the throat; another crack from hair to L; another swell in die opposite the face; cracks heavier; crack from rim below 1

touches bottom of first 0; all cracks are heavier; new crack from rim along bottom of 18; an irregular break from center of E to bottom of S in STATES.

No. 25. (Obv. and Rev. New)

Obverse 18. LI closer than other letters, ER high, left foot of Y defective; point of curl below center of curve of B; highest wave of hair below right side of upright of R; junction point of hair and forehead to right of foot of T; 18 more distant than other figures, last 0 high, point of 1 closer to curl than to hair.

Reverse T. Fraction bar long, heavy, and bevelled downward at both ends; right stem heavy; AM and ER close, ME almost touch, lump on right top of E; C in CENT has a point at center of inner curve; lump on left ribbon loop opposite first berry.
Found with die failing at date, starting inside of first 0, then down to rim, and at bottom of final 0; chip out of die on the bust; breaks at date are heavier; crack from rim to hair just above knot; another from forehead to rim; a third from forehead across the hair; several chips out of die around TA and at other points.

No. 26. (Obv. and Rev. New)

Obverse 19. LIBERTY high above hair and well spaced with exception of IB, which are close with B leaning right; point of hair seems to be under curve of B; highest wave of hair under right side of upright of R; junction point of hair and forehead to right of upright of T; date about evenly spaced with 1 rather close to curl. There is a heavy break on the rim 5 mm. long, starting just to left of L, combined with a long, heavy crack running to bottom of knot; a second, very heavy rim break 11 mm. long starts opposite the knot and runs to opposite the lowest curl, apparently preventing STATE from striking up on the reverse.

Reverse (?). Too badly corroded and worn to make identification positive.
This cent can merely be included as "probably new," as the condition is such that no further description is possible until a much better specimen is found. No variety is now known with obverse cracks which could develop into such a pattern. Discovered by Wm. H. Sheldon, M.D., in 1945.

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